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Stark Broadening Functions for the Hydrogen Lines

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Anne B. Underhill and John H. Waddell

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Numerical values of the intensities of the Stark components of the hydrogen lines and the Stark broadening functions, $S(\alpha)$, are presented for all series members up to and including $n=18$. The $S(\alpha)$ functions are tabulated for lines of the Balmer, Lyman, Paschen, and Brackett series of hydrogen. The data can be used to compute self-consistent profiles of the hydrogen lines in stellar spectra.

1. Introduction

The hydrogen lines are prominent in almost all stellar spectra. If the observations are to be interpreted quantitatively, one must know the shape of the line-absorption coefficient. This paper presents numerical values of the intensities of the Stark components of the hydrogen lines and the Stark broadening functions, $S(\alpha)$, which result from a simple theory of the Stark effect of hydrogen in stellar atmospheres. Although there are some grounds for thinking that the simple adiabatic theory of the Stark effect of hydrogen in stellar atmospheres fails in part, the data presented here are useful. With these data, one can compute line profiles for the hydrogen lines in stellar spectra and obtain a self-consistent set of results. Until one has a set of computed line profiles for all the hydrogen lines with which to compare the observations, one cannot estimate the importance of a more detailed and more physically exact treatment of the problem. The Stark broadening of the hydrogen lines as treated by Verweij [1]* has been summarized in several places, e.g., Unsöld [2]. According to these ideas, the line-absorption coefficient of a hydrogen line broadened by linear Stark effect in a stellar atmosphere where the electric field results from the close passage of singly charged particles which have a partial pressure P may be expressed as

$$l_\nu d\nu=\frac{\pi e^2}{mc}\left[\frac{\lambda^2}{cF_0}f_\pm S(\alpha)+\frac{f_0}{\sqrt{\pi}}\frac{H(a,v)}{\Delta\nu_D}\right]d\nu. \tag{1}$$

Here $f_\pm$ is the part of the f-value of the line contributed by components which are displaced in an electric field, and f_0 is the part of the f-value contributed by undisplaced components. Thus

$$f_\pm+f_0=f. \tag{2}$$

The Stark broadening function, $S(\alpha)$, is normalized and it is defined by

$$S(\alpha)=\frac{1}{n'^2 f_\pm}\sum\frac{f_k}{c_k}W\left(\frac{\alpha}{c_k}\right). \tag{3}$$

The sum is extended over all Stark components of the hydrogen line which are displaced positively (or negatively) in an electric field. Here n' is the principal quantum number of the lower level, c_k is the displacement constant of each component, and $W\left(\frac{\alpha}{c_k}\right)$ is the Holtzmark probability function. The variable α is

$$\alpha=\Delta\lambda/F_0, \tag{4}$$

where F_0 (in electrostatic units) is the normal field strength due to singly charged particles at partial pressure P and temperature T, that is

$$F_0=46.95\left(\frac{P}{T}\right)^{2/3} \tag{5a}$$

Alternatively,

$$F_0=1.25\times10^{-9}N^{2/3}, \tag{5b}$$

*Figures in brackets indicate the literature references on page VIII.

where N is the number of particles per cubic centimeter causing the broadening. In eq (4), $\Delta\lambda$ is the distance from the center of the line in wavelength units. In the present tables α is expressed in angstroms per electrostatic unit. The function $S(\alpha)$ is an even function of α.

The function $H(a, v)$ is given by Harris [3] as a power in a. The quantity $\Delta\nu_D$ is the half half-width of the line due to thermal motion.

In eq (1) it is assumed that the thermal and damping broadening are negligible in comparison to Stark effect. The necessary modifications in the formula, if this is not so, have been given by Underhill [4]. The object of this paper is to tabulate the $S(\alpha)$ function for lines of the Balmer, Lyman, Paschen, and Brackett series of hydrogen. These results may also be used for any hydrogen-like spectral line having the same principal quantum numbers as the hydrogen line when an appropriate change in units is made. The f-values of the individual Stark components and the $S(\alpha)$ functions are tabulated for all series members up to and including $n=18$.

2. Computational Procedure

In a weak electric field, each Stark component of a hydrogen-like line is described by the 6 parabolic quantum numbers n_1', n_2', m', n_1, n_2, m. Here the primes refer to the lower level. The following relations exist:

$$n_1 \geq 0,$$

$$n_2 \leq n-1,$$

$$|m|=n-1-n_1-n_2,$$

where n is the principal quantum number of the level. The possible components are determined by the selection rules $\Delta m=0$, which gives components polarized parallel to the field, and $\Delta m=\pm 1$, which gives components polarized perpendicular to the field. Each component, k, is displaced in wavelength from the zero-field position of the line n', n by an amount

$$\Delta\lambda_k=c_kF. \tag{6}$$

Here F is the strength of the field in electrostatic units and

$$c_k=\frac{3h^7c}{32\pi^6m^3e^9}\,\frac{n'^4n^4}{(n^2-n'^2)^2}\,\frac{X_k}{Z^5}, \tag{7}$$

where

$$X_k=n(n_2-n_1)-n'(n_2'-n_1'), \tag{8}$$

and Z is the charge on the nucleus atomic number, 1 for hydrogen, 2 for He^+ion.

The matrix elements for the individual Stark components may be computed from formulas obtained by solving the hydrogen problem in parabolic coordinates (cf. Bethe and Salpeter [5]). Since the oscillator strength of any transition in a hydrogen-like spectrum is independent of the nuclear charge, Z, it is most useful to compute f-values. The following formulas, derived from the expressions for the matrix elements and the definition of absorption f-value, were used:

Case $m'-m=0$ (π components)

$$f\begin{pmatrix}n_1'n_2'm'\\ n_1n_2m\end{pmatrix}=\frac{1}{48}\left[\frac{1}{n'^2}-\frac{1}{n^2}\right]\left(\frac{n-n'}{n+n'}\right)^{2(n+n')}\frac{1}{(m'!)^4}\left(\frac{4nn'}{(n-n')^2}\right)^{2m'+4}\frac{(n_1+m)!}{n_1!}\,\frac{(n_2+m)!}{n_2!}\,\frac{(n_1'+m')!}{n_1'!}\,\frac{(n_2'+m')!}{n_2'!}$$

$$\left\{\left[2(n_1'-n_2')\,\frac{n^2+n'^2}{(n+n')^2}-(n_1-n_2)\,\frac{4nn'}{(n'+n)^2}\right]\psi_{m'}(n_1,n_1')\psi_{m'}(n_2,n_2')\right.$$

$$\left.-2[n_1'\psi_{m'}(n_1,n_1'-1)\psi_{m'}(n_2,n_2')-n_2'\psi_{m'}(n_1,n_1')\psi_{m'}(n_2,n_2'-1)]\right\}^2. \tag{9}$$

Case $m'-m=+1$(σ components)

$$f\begin{pmatrix}n_1'n_2'm'\\ n_1n_2m\end{pmatrix}=\frac{1}{48}\left[\frac{1}{n'^2}-\frac{1}{n^2}\right]\left(\frac{n-n'}{n+n'}\right)^{2(n+n')}\frac{1}{(m!)^4}\left(\frac{4nn'}{(n-n')^2}\right)^{2m+4}\frac{(n_1+m)!}{n_1!}\frac{(n_2+m)!}{n_2!}\frac{(n_1'+m')!}{n_1'!}\frac{(n_2'+m')!}{n_2'}$$

$$\left\{\psi_m(n_2,n_1')\psi_m(n_1,n_2')-\left(\frac{n-n'}{n+n'}\right)^2\psi_m(n_2,n_2'+1)\right\}^2. \quad (10)$$

Case $m'-m=-1$(σ components)

$$f\begin{pmatrix}n_1'n_2'm'\\ n_1n_2m\end{pmatrix}=\frac{1}{48}\left[\frac{1}{n'^2}-\frac{1}{n^2}\right]\left(\frac{n-n'}{n+n'}\right)^{2(n+n')}\frac{1}{(m'!)^4}\left(\frac{4nn'}{(n-n')^2}\right)^{2m'+4}\frac{(n_1+m)!}{n_1!}\frac{(n_2+m)!}{n_2!}\frac{(n_1'+m')!}{n_1'!}\frac{(n_2'+m')!}{n_2'!}$$

$$\left\{\psi_{m'}(n_1,n_1')\psi_{m'}(n_2,n_2')-\left(\frac{n-n'}{n+n'}\right)^2\psi_{m'}(n_1+1,n_1')\psi_{m'}(n_2+1,n_2')\right\}^2. \quad (11)$$

Here

$$\psi_m(n_i,n_i')=1-\frac{n_in_i'}{m+1}\cdot\frac{4nn'}{(n-n')^2}+\frac{n_i'(n_i-1)n_i'(n_i'-1)}{(m+1)(m+2)2!}\left(\frac{4nn'}{(n-n')^2}\right)^2\cdots \quad (12)$$

These formulas are exact if there is no electric field, for they are derived from the zero-order wave functions. It is presumed that they will be reasonably true in the case of first-order (linear) Stark effect. The resulting f-values are listed in table I for the lines of the Lyman, Balmer, Paschen, and Brackett series. The line is identified by the principal quantum numbers, (n', n) and the 6 parabolic quantum numbers, (n_1', n_2', m', n_1, n_2, m). In addition to the f-value, the displacement factor, X, computed from eq (8) is entered in table I. Only the components with X equal to zero or a positive number are listed. There are equal numbers of negatively and positively displaced components and since f-values of the negatively displaced components are identical with those of the positively displaced components, the negatively displaced components are not listed. The numbers listed under the right-hand partition of the f-value column give the power of 10 by which the listed number is to be multiplied.

The f-values were computed to 8 significant figures with the IBM 650 computer of the National Bureau of Standards Laboratory, Boulder, Colo., and rounded to 6 figures. The f-values for both positively and negatively displaced components were computed and the internal consistency of the results was checked by comparing these values. No discrepancies were found.

The total f-value for the line may be found by summing the component f-values. The sum is extended over all possible components giving the listed values for the σ components weight 4, (2 to allow for the x and y directions and 2 to allow for the fact that m' and m may take negative as well as positive values), the π components with $m\neq 0$ weight 2, and those with $m=0$ weight 1. In addition the total for all components with a positive value of X must be multiplied by 2 to allow for the unlisted, negatively displaced components. The final sum is divided by n'^2, the weight of the lower level. Thus,

$$f=\frac{1}{n'^2}\left[\Sigma \text{ wt } f_+ + \Sigma \text{ wt } f_- + \Sigma \text{ wt } f_0\right]. \quad (13)$$

The first two terms together equal $f_\pm$, the last term equals f_0. The partial f-values, $f_\pm$ and f_0, together with the total f-value for each line are given in table II. The total f-values agree with those given by Green, Rush, and Chandler [6] to the fifth decimal. Beyond that small discrepancies occur which never exceed ± 0.000005 and are usually considerably smaller than this.

For comparison with experiment, and for forming $S(\alpha)$ according to eq (3), it is convenient to have the summed f-values of individual components with the same displacement constant c_k. These partial sums were formed by using the weighting described above. The results for positive values of X are listed in table III. Columns 1 and 2 identify the line by its principal quantum numbers, column 3 gives c_k computed from eq (7) with $Z=1$. This number is listed in the IBM floating point system, in which the last two digits determine the power of 10 by which the first eight digits are to be multiplied. On

this system, if xx are the last two digits, the decimal point should be displaced $xx-50$ places in front of the first eight digits. A positive value indicates displacement to the right, a negative value displacement to the left. Thus, the first entry of table III, column 3, in usual notation is 0.00056679314. Column 4 gives X, and column 5 gives the partial f-value. The values of the physical constants given by Allen [7] were adopted.

It should perhaps be noted that the distribution of f-values with X is not monotonic. This irregular distribution eventually produces the two or more reversals in $S(\alpha)$ which occur for high series members.

The data of tables II and III were used to compute the function $S(\alpha)$ according to eq (3). The results are given in centimeter-gram-second system units in table IV.

The Holtzmark probability function is expressed exactly by the series

$$W(\beta)=\frac{4}{3\pi}\sum_{l=0}^{\infty}(-1)^l\frac{\Gamma\left(\frac{4l+6}{3}\right)}{(2l+1)!}\beta^{2l+2}, \tag{14}$$

where

$$\beta=\frac{\alpha}{c_k}. \tag{15}$$

This series, when the sum is extended to $l=35$, will give values of $W(\beta)$ accurate to at least 4 significant figures for $\beta\leq 3.000$, if 8 significent figures are carried in each term. For larger values of β it is necessary to carry more than 8 significant figures in each term in order to obtain 4 significant figures in $W(\beta)$.

The asymptotic series

$$W(\beta)=\frac{2}{\pi}\sum_{l=0}^{23}(-1)^{l+1}\frac{\Gamma\left(\frac{3l+4}{2}\right)}{l!}\sin\left(\frac{3l}{4}\pi\right)\beta^{-\left(\frac{3l}{2}+1\right)} \tag{16}$$

gives $W(\beta)$ accurately to 4 significant figures or more when $\beta\geq 4.600$. This series becomes increasingly accurate as β increases.

The function $W(\beta)$ may be computed in the range $3.000<\beta<4.600$ by the empirical formula

$$W(\beta)=1.1538-0.5625\beta+0.0951\beta^2-0.0054\beta^3. \tag{17}$$

This formula was found by computing $W(\beta)$ to 4 significant figures according to the exact series for $\beta=3.0$, 3.2, 3.4, 3.6, 3.8 and 4.0, and by the approximate series for $\beta=4.2$, 4.4, and 4.6. A polynomial in β was then fitted to the computed points. These computations were carried out with an electric desk calculator and sufficient significant figures were carried at each stage to maintain the desired accuracy. The first series was summed to $l=60$ when $\beta=4.000$; the second series was broken off at $l=19$ for $\beta=4.2$, but carried to $l=23$ for larger values of β. The coefficients of β in eq (14) and (16) were computed by hand to 10 significant figures and rounded to 8 figures. They are given in table V.

3. Discussion of Results

The $S(\alpha)$ functions for the various lines are given in tables IV. These tables have been calculated for the hydrogen lines with $Z=1$. They may be used for hydrogen-like spectra by multiplying each tabular value of $S(\alpha)$ by Z^5 and by taking the listed value at α equals Z^5 times the desired value of α. In the case of the He II "4—9" line, λ4541, the value of $S(\alpha)$ when $\alpha(\text{He II})=0.1$ would be found as follows:

	α	$S(\alpha)$
Hydrogen 4—9 line	3.2	6.06×10^6
He II 4—9 line	$3.2/2^5=0.1$	$6.06\times10^6\times2^5=1.939\times10^8$.†

†Value computed by Underhill [8] is 1.648×10^8. This difference arises in the use of different physical constants and a numerical error in the hand calculation. The effect of this error decreases as α(He II) increases.

The $S(\alpha)$ function for He II, λ 4686, computed by Unsöld [9], when expressed in the same units as the present results, is in agreement with these results.

Table II contains the f-values, f_0, of the undisplaced components. It will be noted that in the Lyman and Paschen series the lines with an odd upper principal quantum number have a central component of zero strength while in the Balmer series this is true for lines with an even upper principal quantum number. This rule of alternating lines with central components of zero strength does not hold for the first few numbers of the Brackett series. Because of commensurabilities among the quantum numbers, the lines 4—6 and 4—8 have nonzero central components. This rule is reestablished for line 4–10 and higher members of the series.

The $S(\alpha)$ function for H_α, H_δ, and for H 14 is plotted against α in figure 1. A logarithmic scale is used for both coordinates. For large values of α the $S(\alpha)$ function varies as $\alpha^{-5/2}$ for all lines. For H_α, the critical value beyond which the "five-halves" law is valid is about $\alpha=0.32$; for H_δ it is about $\alpha=1.6$; and for H 14 it is about $\alpha=6.3$. For values of α slightly smaller than the critical values, the $S(\alpha)$ curve is steeper than $\alpha^{-5/2}$, and for a range near the maximum of the curve the change of $S(\alpha)$ with increasing α is not great. The value of α corresponding to a given $\Delta\lambda$ from the center of a hydrogen line depends upon the density of charged particles causing the broadening (see eq 5). In the middle B-type atmospheres F_0 may be of the order of 20 to 40 esu, thus α will be of the order 0.05 $\Delta\lambda$ to 0.025 $\Delta\lambda$. Then the $\alpha^{-5/2}$ part of the curve generally will not be reached for any line except H_α until $\Delta\lambda$ exceeds 40 A. In early B-type or late O-type atmospheres, F_0 may run from 1 to 10 esu, thus α will run from $\Delta\lambda$ to 0.1 $\Delta\lambda$. In these atmospheres the $\alpha^{-5/2}$ part of the curve may be reached for the first members of the Balmer series near $\Delta\lambda=10$ A.

Since the separation between H 14 and H 15 is only 10 A, one may see from the very broad $S(\alpha)$ function for H 14 why hydrogen lines beyond H 14 are not observed in the spectra of B-type main-sequence stars. The broadened line-absorption coefficients overlap so strongly that a nearly uniform continuous absorption occurs. In this case the present representation may not be correct in detail, however, for the theory used assumes that the displacement of the usually degenerate sublevels by the electric field is small in comparison to the separation in energy between levels with different n. When

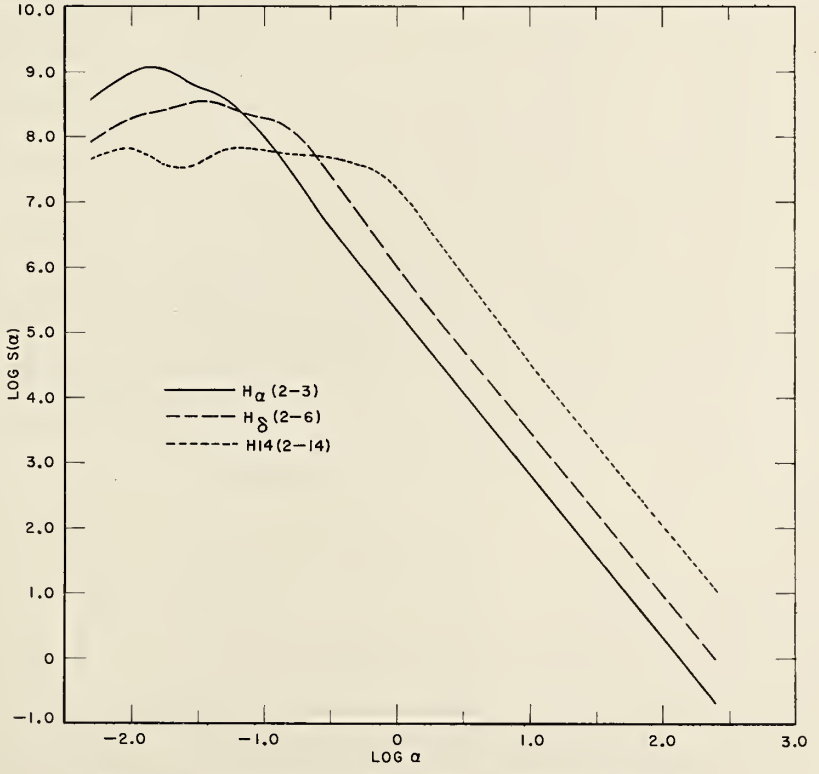

FIGURE 1. *The increase of Stark broadening along a series.*

the Stark displacement becomes comparable to the level separation, the electric fields are "strong", and higher order Stark effects will be of importance.

In objects of low density, such as the solar chromosphere and the shells surrounding B-type stars, where the density of charged particles may be of the order of 10^{12}, F_0 may be of the order of 0.1 and α will be about $10\Delta\lambda$. Then, for all lines at distances more than 1 A from the center $S(\alpha)$ will vary as $\alpha^{-5/2}$. At the start of the $\alpha^{-5/2}$ part of the curve, $S(\alpha)$ is about 0.005 times its maximum value in each case.

Figure 2 gives log $S(\alpha)$ versus log α for the lines 1—7, 2—7, 3—7, and 4—7. It is apparent that as n' increases the Stark broadening function widens greatly.

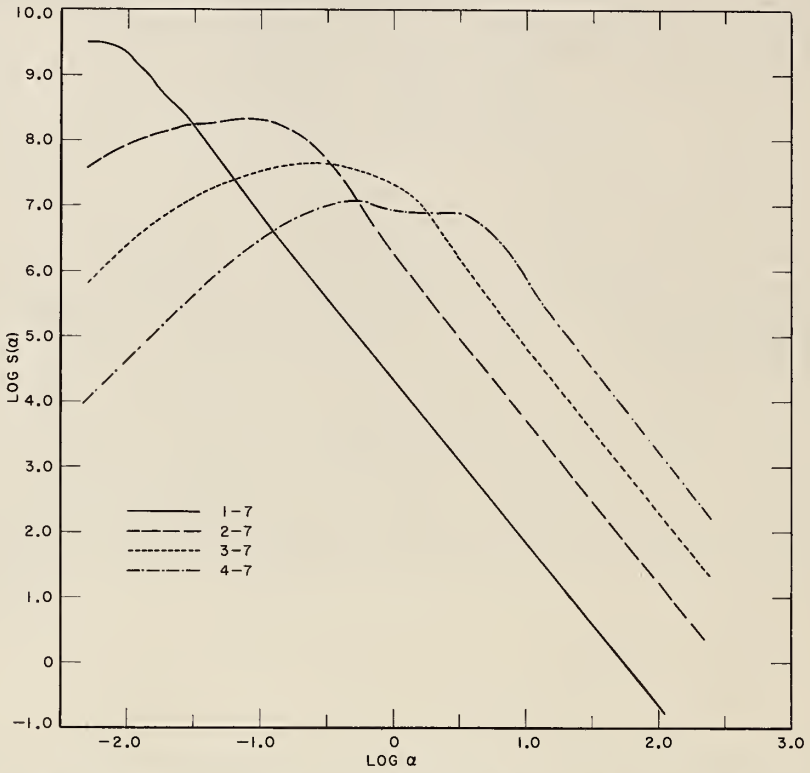

FIGURE 2. *The increase of Stark broadening as n′ increases, n remaining fixed.*

This research represents one phase of a collaborative investigation on problems of the solar and stellar atmospheres between the Boulder Laboratories of the U.S. National Bureau of Standards, the Sacramento Peak Observatory of the Geophysical Research Directorate of the U.S. Air Force, and the Dominion Astrophysical Observatory of the Department of Mines and Technical Surveys, Canada.

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Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
1	2	0	0	0	0	0	1	6.93661 - 2	0	1	10	0	0	0	3	5	1	3.89180 - 5	20
1	2	0	0	0	0	1	0	6.93661 - 2	2	1	10	0	0	0	3	6	0	1.45942 - 5	30
										1	10	0	0	0	2	6	1	3.40532 - 5	40
1	3	0	0	0	1	1	0	0.00000	0	1	10	0	0	0	2	7	0	4.05396 - 5	50
1	3	0	0	0	0	1	1	6.59180 - 3	3	1	10	0	0	0	1	7	1	2.59453 - 5	60
1	3	0	0	0	0	2	0	1.31836 - 2	6	1	10	0	0	0	1	8	0	7.94576 - 5	70
										1	10	0	0	0	0	8	1	1.45942 - 5	80
1	4	0	0	0	1	1	1	1.93274 - 3	0	1	10	0	0	0	0	9	0	1.31348 - 4	90
1	4	0	0	0	1	2	0	4.83184 - 4	4										
1	4	0	0	0	0	2	1	1.44955 - 3	8	1	11	0	0	0	5	5	0	0.00000	0
1	4	0	0	0	0	3	0	4.34865 - 3	12	1	11	0	0	0	4	5	1	2.72846 - 5	11
										1	11	0	0	0	4	6	0	3.63794 - 6	22
1	5	0	0	0	2	2	0	0.00000	0	1	11	0	0	0	3	6	1	2.54656 - 5	33
1	5	0	0	0	1	2	1	6.96917 - 4	5	1	11	0	0	0	3	7	0	1.45518 - 5	44
1	5	0	0	0	1	3	0	4.64611 - 4	10	1	11	0	0	0	2	7	1	2.18277 - 5	55
1	5	0	0	0	0	3	1	4.64611 - 4	15	1	11	0	0	0	2	8	0	3.27415 - 5	66
1	5	0	0	0	0	4	0	1.85845 - 3	20	1	11	0	0	0	1	8	1	1.63707 - 5	77
										1	11	0	0	0	1	9	0	5.82071 - 5	88
1	6	0	0	0	2	2	1	3.34264 - 4	0	1	11	0	0	0	0	9	1	9.09486 - 6	99
1	6	0	0	0	2	3	0	3.71404 - 5	6	1	11	0	0	0	0	10	0	9.09485 - 5	110
1	6	0	0	0	1	3	1	2.97124 - 4	12										
1	6	0	0	0	1	4	0	3.34264 - 4	18	1	12	0	0	0	5	5	1	1.93308 - 5	0
1	6	0	0	0	0	4	1	1.85702 - 4	24	1	12	0	0	0	5	6	0	5.36967 - 7	12
1	6	0	0	0	0	5	0	9.28511 - 4	30	1	12	0	0	0	4	6	1	1.87938 - 5	24
										1	12	0	0	0	4	7	0	4.83270 - 6	36
1	7	0	0	0	3	3	0	0.00000	0	1	12	0	0	0	3	7	1	1.71829 - 5	48
1	7	0	0	0	2	3	1	1.71927 - 4	7	1	12	0	0	0	3	8	0	1.34242 - 5	60
1	7	0	0	0	2	4	0	5.73089 - 5	14	1	12	0	0	0	2	8	1	1.44981 - 5	72
1	7	0	0	0	1	4	1	1.43272 - 4	21	1	12	0	0	0	2	9	0	2.63114 - 5	84
1	7	0	0	0	1	5	0	2.29236 - 4	28	1	12	0	0	0	1	9	1	1.07393 - 5	96
1	7	0	0	0	0	5	1	8.59634 - 5	35	1	12	0	0	0	1	10	0	4.34943 - 5	108
1	7	0	0	0	0	6	0	5.15780 - 4	42	1	12	0	0	0	0	10	1	5.90664 - 6	120
										1	12	0	0	0	0	11	0	6.49730 - 5	132
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1	8	0	0	0	3	4	0	6.31632 - 6	8	1	13	0	0	0	6	6	0	0.00000	0
1	8	0	0	0	2	4	1	9.47448 - 5	16	1	13	0	0	0	5	6	1	1.38988 - 5	13
1	8	0	0	0	2	5	0	5.68469 - 5	24	1	13	0	0	0	5	7	0	1.32370 - 6	26
1	8	0	0	0	1	5	1	7.57959 - 5	32	1	13	0	0	0	4	7	1	1.32370 - 5	39
1	8	0	0	0	1	6	0	1.57908 - 4	40	1	13	0	0	0	4	8	0	5.29480 - 6	52
1	8	0	0	0	0	6	1	4.42143 - 5	48	1	13	0	0	0	3	8	1	1.19133 - 5	65
1	8	0	0	0	0	7	0	3.09500 - 4	56	1	13	0	0	0	3	9	0	1.19133 - 5	78
										1	13	0	0	0	2	9	1	9.92774 - 6	91
1	9	0	0	0	4	4	0	0.00000	0	1	13	0	0	0	2	10	0	2.11792 - 5	104
1	9	0	0	0	3	4	1	6.15586 - 5	9	1	13	0	0	0	1	10	1	7.28034 - 6	117
1	9	0	0	0	3	5	0	1.23117 - 5	18	1	13	0	0	0	1	11	0	3.30925 - 5	130
1	9	0	0	0	2	5	1	5.54027 - 5	27	1	13	0	0	0	0	11	1	3.97110 - 6	143
1	9	0	0	0	2	6	0	4.92469 - 5	36	1	13	0	0	0	0	12	0	4.76532 - 5	156
1	9	0	0	0	1	6	1	4.30910 - 5	45										
1	9	0	0	0	1	7	0	1.10805 - 4	54	1	14	0	0	0	6	6	1	1.03636 - 5	0
1	9	0	0	0	0	7	1	2.46234 - 5	63	1	14	0	0	0	6	7	0	2.11503 - 7	14
1	9	0	0	0	0	8	0	1.96987 - 4	72	1	14	0	0	0	5	7	1	1.01521 - 5	28
										1	14	0	0	0	5	8	0	1.90353 - 6	42
1	10	0	0	0	4	4	1	4.05396 - 5	0	1	14	0	0	0	4	8	1	9.51763 - 6	56
1	10	0	0	0	4	5	0	1.62158 - 6	10	1	14	0	0	0	4	9	0	5.28757 - 6	70

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
1	14	0	0	0	3	9	1	8.46012 - 6	84	1	17	0	0	0	2	14	0	9.44341 - 6	204
1	14	0	0	0	3	10	0	1.03636 - 5	98	1	17	0	0	0	1	14	1	1.96738 - 6	221
1	14	0	0	0	2	10	1	6.97960 - 6	112	1	17	0	0	0	1	15	0	1.28535 - 5	238
1	14	0	0	0	2	11	0	1.71317 - 5	126	1	17	0	0	0	0	15	1	1.04927 - 6	255
1	14	0	0	0	1	11	1	5.07607 - 6	140	1	17	0	0	0	0	16	0	1.67883 - 5	272
1	14	0	0	0	1	12	0	2.55919 - 5	154										
1	14	0	0	0	0	12	1	2.74954 - 6	168	1	18	0	0	0	8	8	1	3.76455 - 6	0
1	14	0	0	0	0	13	0	3.57440 - 5	182	1	18	0	0	0	8	9	0	4.64759 - 8	18
										1	18	0	0	0	7	9	1	3.71807 - 6	36
1	15	0	0	0	7	7	0	0.00000	0	1	18	0	0	0	7	10	0	4.18283 - 7	54
1	15	0	0	0	6	7	1	7.81040 - 6	15	1	18	0	0	0	6	10	1	3.57864 - 6	72
1	15	0	0	0	6	8	0	5.57886 - 7	30	1	18	0	0	0	6	11	0	1.16190 - 6	90
1	15	0	0	0	5	8	1	7.53146 - 6	45	1	18	0	0	0	5	11	1	3.34626 - 6	108
1	15	0	0	0	5	9	0	2.23154 - 6	60	1	18	0	0	0	5	12	0	2.27732 - 6	126
1	15	0	0	0	4	9	1	6.97357 - 6	75	1	18	0	0	0	4	12	1	3.02093 - 6	144
1	15	0	0	0	4	10	0	5.02097 - 6	90	1	18	0	0	0	4	13	0	3.76455 - 6	162
1	15	0	0	0	3	10	1	6.13674 - 6	105	1	18	0	0	0	3	13	1	2.60265 - 6	180
1	15	0	0	0	3	11	0	8.92617 - 6	120	1	18	0	0	0	3	14	0	5.62358 - 6	198
1	15	0	0	0	2	11	1	5.02097 - 6	135	1	18	0	0	0	2	14	1	2.09142 - 6	216
1	15	0	0	0	2	12	0	1.39471 - 5	150	1	18	0	0	0	2	15	0	7.85443 - 6	234
1	15	0	0	0	1	12	1	3.62626 - 6	165	1	18	0	0	0	1	15	1	1.48723 - 6	252
1	15	0	0	0	1	13	0	2.00839 - 5	180	1	18	0	0	0	1	16	0	1.04571 - 5	270
1	15	0	0	0	0	13	1	1.95260 - 6	195	1	18	0	0	0	0	16	1	7.90090 - 7	288
1	15	0	0	0	0	14	0	2.73364 - 5	210	1	18	0	0	0	0	17	0	1.34315 - 5	306
1	16	0	0	0	7	7	1	6.04829 - 6	0	2	3	0	0	1	0	0	2	2.08735 - 1	0
1	16	0	0	0	7	8	0	9.45045 - 8	16	2	3	0	0	1	1	1	0	3.99533 - 2	0
1	16	0	0	0	6	8	1	5.95378 - 6	32	2	3	0	1	0	0	1	1	8.76979 - 2	1
1	16	0	0	0	6	9	0	8.50540 - 7	48	2	3	1	0	0	1	1	0	6.60452 - 2	2
1	16	0	0	0	5	9	1	5.67027 - 6	64	2	3	0	0	1	0	1	1	1.04368 - 1	3
1	16	0	0	0	5	10	0	2.36261 - 6	80	2	3	0	1	0	0	2	0	1.52294 - 1	4
1	16	0	0	0	4	10	1	5.19775 - 6	96	2	3	1	0	0	0	1	1	7.24776 - 4	5
1	16	0	0	0	4	11	0	4.63072 - 6	112	2	3	0	0	1	0	2	0	8.15373 - 4	6
1	16	0	0	0	3	11	1	4.53622 - 6	128	2	3	1	0	0	0	2	0	9.05970 - 5	8
1	16	0	0	0	3	12	0	7.65486 - 6	144										
1	16	0	0	0	2	12	1	3.68568 - 6	160	2	4	0	0	1	1	1	1	0.00000	0
1	16	0	0	0	2	13	0	1.14350 - 5	176	2	4	1	0	0	1	1	1	3.42549 - 3	2
1	16	0	0	0	1	13	1	2.64613 - 6	192	2	4	0	1	0	1	2	0	8.56372 - 4	2
1	16	0	0	0	1	14	0	1.59713 - 5	208	2	4	0	0	1	1	2	0	3.42549 - 3	4
1	16	0	0	0	0	14	1	1.41757 - 6	224	2	4	0	0	1	0	1	2	1.82693 - 2	4
1	16	0	0	0	0	15	0	2.12635 - 5	240	2	4	1	0	0	1	2	0	7.70735 - 3	6
										2	4	0	1	0	0	2	1	1.39874 - 2	6
1	17	0	0	0	8	8	0	0.00000	0	2	4	0	0	1	0	2	1	1.82693 - 2	8
1	17	0	0	0	7	8	1	4.72170 - 6	17	2	4	1	0	0	0	2	1	2.85457 - 4	10
1	17	0	0	0	7	9	0	2.62317 - 7	34	2	4	0	1	0	0	3	0	3.43500 - 2	10
1	17	0	0	0	6	9	1	4.59054 - 6	51	2	4	0	0	1	0	3	0	3.80610 - 4	12
1	17	0	0	0	6	10	0	1.04927 - 6	68	2	4	1	0	0	0	3	0	9.51524 - 5	14
1	17	0	0	0	5	10	1	4.32823 - 6	85										
1	17	0	0	0	5	11	0	2.36085 - 6	102	2	5	0	0	1	1	1	2	5.70477 - 3	0
1	17	0	0	0	4	11	1	3.93475 - 6	119	2	5	0	0	1	2	2	0	1.30982 - 3	0
1	17	0	0	0	4	12	0	4.19707 - 6	136	2	5	1	0	0	2	2	0	1.54752 - 3	2
1	17	0	0	0	3	12	1	3.41012 - 6	153	2	5	0	1	0	1	2	1	2.28429 - 3	3
1	17	0	0	0	3	13	0	6.55792 - 6	170	2	5	0	0	1	1	2	1	9.50795 - 4	5
1	17	0	0	0	2	13	1	2.75433 - 6	187	2	5	1	0	0	1	2	1	2.87616 - 4	7

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
2	5	0	1	0	1	3	0	1.50642 - 4	8	2	8	0	0	1	3	3	1	0.00000	0
2	5	0	0	1	0	2	2	3.80318 - 3	10	2	8	1	0	0	3	3	1	1.29850 - 4	2
2	5	0	0	1	1	3	0	5.57107 - 4	10	2	8	0	1	0	3	4	0	7.30407 - 5	6
2	5	1	0	0	1	3	0	1.64814 - 3	12	2	8	0	0	1	2	3	2	5.54027 - 4	8
2	5	0	1	0	0	3	1	4.12170 - 3	13	2	8	0	0	1	3	4	0	1.29850 - 4	8
2	5	0	0	1	0	3	1	5.70477 - 3	15	2	8	1	0	0	3	4	0	2.02891 - 4	10
2	5	1	0	0	0	3	1	1.28357 - 4	17	2	8	0	1	0	2	4	1	2.86211 - 4	14
2	5	0	1	0	0	4	0	1.30506 - 2	18	2	8	0	0	1	2	4	1	1.38507 - 4	16
2	5	0	0	1	0	4	0	2.00558 - 4	20	2	8	1	0	0	2	4	1	2.65111 - 5	18
2	5	1	0	0	0	4	0	7.22010 - 5	22	2	8	0	1	0	2	5	0	1.04241 - 5	22
										2	8	0	0	1	1	4	2	4.15520 - 4	24
2	6	0	0	1	2	2	1	0.00000	0	2	8	0	0	1	2	5	0	6.98305 - 5	24
2	6	1	0	0	2	2	1	4.63486 - 4	2	2	8	1	0	0	2	5	0	1.92214 - 4	26
2	6	0	1	0	2	3	0	2.05994 - 4	4	2	8	0	1	0	1	5	1	4.15953 - 4	30
2	6	0	0	1	1	2	2	2.08569 - 3	6	2	8	0	0	1	1	5	1	4.43222 - 4	32
2	6	0	0	1	2	3	0	4.63486 - 4	6	2	8	1	0	0	1	5	1	4.32834 - 7	34
2	6	1	0	0	2	3	0	8.23975 - 4	8	2	8	0	1	0	1	6	0	4.44412 - 4	38
2	6	0	1	0	1	3	1	1.26171 - 3	10	2	8	0	0	1	0	5	2	1.93910 - 4	40
2	6	0	0	1	1	3	1	9.26971 - 4	12	2	8	0	0	1	1	6	0	5.19401 - 6	40
2	6	1	0	0	1	3	1	2.57492 - 5	14	2	8	1	0	0	1	6	0	5.48617 - 5	42
2	6	0	1	0	1	4	0	4.63486 - 4	16	2	8	0	1	0	0	6	1	3.84032 - 4	46
2	6	0	0	1	0	3	2	1.15871 - 3	18	2	8	0	0	1	0	6	1	5.81729 - 4	48
2	6	0	0	1	1	4	0	1.15871 - 4	18	2	8	1	0	0	0	6	1	2.04514 - 5	50
2	6	1	0	0	1	4	0	4.63486 - 4	20	2	8	0	1	0	0	7	0	2.02599 - 3	54
2	6	0	1	0	0	4	1	1.60933 - 3	22	2	8	0	0	1	0	7	0	4.67461 - 5	56
2	6	1	0	0	0	5	0	5.14984 - 5	32	2	8	1	0	0	0	7	0	2.62947 - 5	58
2	6	0	0	1	0	4	1	2.31743 - 3	24										
2	6	1	0	0	0	4	1	6.43730 - 5	26	2	9	0	0	1	3	3	2	3.38996 - 4	0
2	6	0	1	0	0	5	0	6.23131 - 3	28	2	9	0	0	1	4	4	0	8.26436 - 5	0
2	6	0	0	1	0	5	0	1.15871 - 4	30	2	9	1	0	0	4	4	0	8.68811 - 5	2
										2	9	0	1	0	3	4	1	1.18034 - 4	7
2	7	0	0	1	2	2	2	1.05698 - 3	0	2	9	0	0	1	3	4	1	1.69498 - 5	9
2	7	0	0	1	3	3	0	2.53350 - 4	0	2	9	1	0	0	3	4	1	4.55265 - 5	11
2	7	1	0	0	3	3	0	2.75370 - 4	2	2	9	0	1	0	3	5	0	1.25438 - 5	16
2	7	0	1	0	2	3	1	3.91087 - 4	5	2	9	0	0	1	2	4	2	3.05097 - 4	18
2	7	0	0	1	2	3	1	8.80817 - 5	7	2	9	0	0	1	3	5	0	6.67532 - 5	18
2	7	1	0	0	2	3	1	1.07967 - 4	9	2	9	1	0	0	3	5	0	1.30369 - 4	20
2	7	0	1	0	2	4	0	6.08791 - 6	12	2	9	0	1	0	2	5	1	2.01997 - 4	25
2	7	0	0	1	1	3	2	8.80817 - 4	14	2	9	0	0	1	2	5	1	1.37294 - 4	27
2	7	0	0	1	2	4	0	1.74443 - 4	14	2	9	1	0	0	2	5	1	6.22670 - 6	29
2	7	1	0	0	2	4	0	3.95377 - 4	16	2	9	0	1	0	2	6	0	3.50455 - 5	34
2	7	0	1	0	1	4	1	7.08642 - 4	19	2	9	0	0	1	1	5	2	2.13568 - 4	36
2	7	0	0	1	1	4	1	6.60613 - 4	21	2	9	0	0	1	2	6	0	2.92517 - 5	36
2	7	1	0	0	1	4	1	8.42618 - 7	23	2	9	1	0	0	2	6	0	9.66769 - 5	38
2	7	0	1	0	1	5	0	5.06097 - 4	26	2	9	0	1	0	1	6	1	2.55324 - 4	43
2	7	0	0	1	0	4	2	4.40408 - 4	28	2	9	0	0	1	1	6	1	2.96622 - 4	45
2	7	0	0	1	1	5	0	2.58052 - 5	28	2	9	1	0	0	1	6	1	1.54719 - 6	47
2	7	1	0	0	1	5	0	1.52198 - 4	30	2	9	0	1	0	1	7	0	3.63434 - 4	52
2	7	0	1	0	0	5	1	7.42908 - 4	33	2	9	0	0	1	0	6	2	9.49190 - 5	54
2	7	0	0	1	0	5	1	1.10102 - 3	35	2	9	0	0	1	1	7	0	6.48861 - 7	54
2	7	1	0	0	0	5	1	3.51091 - 5	37	2	9	1	0	0	1	7	0	2.08356 - 5	56
2	7	0	1	0	0	6	0	3.39862 - 3	40	2	9	0	1	0	0	7	1	2.15582 - 4	61
2	7	0	0	1	0	6	0	7.16810 - 5	42	2	9	0	0	1	0	7	1	3.32217 - 4	63
2	7	1	0	0	0	6	0	3.65720 - 5	44	2	9	1	0	0	0	7	1	1.25607 - 5	65

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
2	9	0	1	0	0	8	0	1.28812 - 3	70	2	11	1	0	0	3	7	0	4.98894 - 5	46
2	9	0	0	1	0	8	0	3.17942 - 5	72	2	11	0	1	0	2	7	1	1.01021 - 4	53
2	9	1	0	0	0	8	0	1.92335 - 5	74	2	11	0	0	1	2	7	1	9.48870 - 5	55
										2	11	1	0	0	2	7	1	9.60633 - 8	57
2	10	0	0	1	4	4	1	0.00000	0	2	11	0	1	0	2	8	0	5.60706 - 5	64
2	10	1	0	0	4	4	1	5.03567 - 5	2	2	11	0	0	1	1	7	2	6.83186 - 5	66
2	10	0	1	0	4	5	0	3.22283 - 5	8	2	11	0	0	1	2	8	0	5.45847 - 6	66
2	10	0	0	1	3	4	2	2.09820 - 4	10	2	11	1	0	0	2	8	0	2.70546 - 5	68
2	10	0	0	1	4	5	0	5.03567 - 5	10	2	11	0	1	0	1	8	1	1.07984 - 4	75
2	10	1	0	0	4	5	0	7.25137 - 5	12	2	11	0	0	1	1	8	1	1.39484 - 4	77
2	10	0	1	0	3	5	1	9.70206 - 5	18	2	11	1	0	0	1	8	1	2.01292 - 6	79
2	10	0	0	1	3	5	1	3.35711 - 5	20	2	11	0	1	0	1	9	0	2.30140 - 4	86
2	10	1	0	0	3	5	1	1.64499 - 5	22	2	11	0	0	1	0	8	2	2.84661 - 5	88
2	10	0	1	0	3	6	0	2.23807 - 7	28	2	11	0	0	1	1	9	0	2.00152 - 7	88
2	10	0	0	1	2	5	2	1.76249 - 4	30	2	11	1	0	0	1	9	0	3.05852 - 6	90
2	10	0	0	1	3	6	0	3.49699 - 5	30	2	11	0	1	0	0	9	1	8.10534 - 5	97
2	10	1	0	0	3	6	0	8.07945 - 5	32	2	11	0	0	1	0	9	1	1.28097 - 4	99
2	10	0	1	0	2	6	1	1.42174 - 4	38	2	11	1	0	0	0	9	1	5.35945 - 6	101
2	10	0	0	1	2	6	1	1.17499 - 4	40	2	11	0	1	0	0	10	0	5.97481 - 4	108
2	10	1	0	0	2	6	1	1.17499 - 6	42	2	11	0	0	1	0	10	0	1.62123 - 5	110
2	10	0	1	0	2	7	0	5.03567 - 5	48	2	11	1	0	0	0	10	0	1.08529 - 5	112
2	10	0	0	1	1	6	2	1.17499 - 4	50										
2	10	0	0	1	2	7	0	1.25892 - 5	50	2	12	0	0	1	5	5	1	0.00000	0
2	10	1	0	0	2	7	0	5.03567 - 5	52	2	12	1	0	0	5	5	1	2.35838 - 5	2
2	10	0	1	0	1	7	1	1.63156 - 4	58	2	12	0	1	0	5	6	0	1.63776 - 5	10
2	10	0	0	1	1	7	1	2.01427 - 4	60	2	12	0	0	1	4	5	2	9.70303 - 5	12
2	10	1	0	0	1	7	1	2.01427 - 6	62	2	12	0	0	1	5	6	0	2.35838 - 5	12
2	10	0	1	0	1	8	0	2.90055 - 4	68	2	12	1	0	0	5	6	0	3.21001 - 5	14
2	10	0	0	1	0	7	2	5.03567 - 5	70	2	12	0	1	0	4	6	1	4.13465 - 5	22
2	10	0	0	1	1	8	0	0.00000	70	2	12	0	0	1	4	6	1	1.07811 - 5	24
2	10	1	0	0	1	8	0	8.05707 - 6	72	2	12	1	0	0	4	6	1	9.90144 - 6	26
2	10	0	1	0	0	8	1	1.28913 - 4	78	2	12	0	1	0	4	7	0	1.73750 - 6	34
2	10	0	0	1	0	8	1	2.01427 - 4	80	2	12	0	0	1	3	6	2	8.62492 - 5	36
2	10	1	0	0	0	8	1	8.05707 - 6	82	2	12	0	0	1	4	7	0	1.85012 - 5	36
2	10	0	1	0	0	9	0	8.60316 - 4	88	2	12	1	0	0	4	7	0	3.81239 - 5	38
2	10	0	0	1	0	9	0	2.23808 - 5	90	2	12	0	1	0	3	7	1	5.95701 - 5	46
2	10	1	0	0	0	9	0	1.43237 - 5	92	2	12	0	0	1	3	7	1	3.94282 - 5	48
										2	12	1	0	0	3	7	1	2.07067 - 6	50
2	11	0	0	1	4	4	2	1.42330 - 4	0	2	12	0	1	0	3	8	0	6.35371 - 6	58
2	11	0	0	1	5	5	0	3.49920 - 5	0	2	12	0	0	1	2	7	2	6.65351 - 5	60
2	11	1	0	0	5	5	0	3.61781 - 5	2	2	12	0	0	1	3	8	0	1.01843 - 5	60
2	11	0	1	0	4	5	1	4.73479 - 5	9	2	12	1	0	0	3	8	0	3.10605 - 5	62
2	11	0	0	1	4	5	1	4.74435 - 6	11	2	12	0	1	0	2	8	1	7.27872 - 5	70
2	11	1	0	0	4	5	1	2.21166 - 5	13	2	12	0	0	1	2	8	1	7.48520 - 5	72
2	11	0	1	0	4	6	0	9.63836 - 6	20	2	12	1	0	0	2	8	1	1.44390 - 8	74
2	11	0	0	1	3	5	2	1.32842 - 4	22	2	12	0	1	0	2	9	0	5.57930 - 5	82
2	11	0	0	1	4	6	0	3.04454 - 5	22	2	12	0	0	1	1	8	2	4.15844 - 5	84
2	11	1	0	0	4	6	0	5.37932 - 5	24	2	12	0	0	1	2	9	0	2.32950 - 6	84
2	11	0	1	0	3	6	1	7.65967 - 5	31	2	12	1	0	0	2	9	0	1.49145 - 5	86
2	11	0	0	1	3	6	1	3.98525 - 5	33	2	12	0	1	0	1	9	1	7.36819 - 5	94
2	11	1	0	0	3	6	1	5.94906 - 6	35	2	12	0	0	1	1	9	1	9.85705 - 5	96
2	11	0	1	0	3	7	0	1.94988 - 6	42	2	12	1	0	0	1	9	1	1.80755 - 6	98
2	11	0	0	1	2	6	2	1.06273 - 4	44	2	12	0	1	0	1	10	0	1.83015 - 4	106
2	11	0	0	1	3	7	0	1.87031 - 5	44	2	12	0	0	1	0	9	2	1.69418 - 5	108

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
2	12	0	0	1	1	10	0	4.81301 - 7	108	2	14	1	0	0	6	6	1	1.25088 - 5	2
2	12	1	0	0	1	10	0	1.08293 - 6	110	2	14	0	1	0	6	7	0	9.19015 - 6	12
2	12	0	1	0	0	10	1	5.30902 - 5	118	2	14	0	0	1	5	6	2	5.10777 - 5	14
2	12	0	0	1	0	10	1	8.47090 - 5	120	2	14	0	0	1	6	7	0	1.25088 - 5	14
2	12	1	0	0	0	10	1	3.67661 - 6	122	2	14	1	0	0	6	7	0	1.63380 - 5	16
2	12	0	1	0	0	11	0	4.28372 - 4	130	2	14	0	1	0	5	7	1	2.04438 - 5	26
2	12	0	0	1	0	11	0	1.20325 - 5	132	2	14	0	0	1	5	7	1	4.16961 - 6	28
2	12	1	0	0	0	11	0	8.35593 - 6	134	2	14	1	0	0	5	7	1	6.14804 - 6	30
										2	14	0	1	0	5	8	0	2.04935 - 6	40
2	13	0	0	1	5	5	2	7.03116 - 5	0	2	14	0	0	1	4	7	2	4.69081 - 5	42
2	13	0	0	1	6	6	0	1.73693 - 5	0	2	14	0	0	1	5	8	0	1.05109 - 5	42
2	13	1	0	0	6	6	0	1.77878 - 5	2	2	14	1	0	0	5	8	0	1.99191 - 5	44
2	13	0	1	0	5	6	1	2.25859 - 5	11	2	14	0	1	0	4	8	1	2.87990 - 5	54
2	13	0	0	1	5	6	1	1.67409 - 6	13	2	14	0	0	1	4	8	1	1.56360 - 5	56
2	13	1	0	0	5	6	1	1.19619 - 5	15	2	14	1	0	0	4	8	1	1.99439 - 6	58
2	13	0	1	0	5	7	0	6.50896 - 6	24	2	14	0	1	0	4	9	0	5.74384 - 7	68
2	13	0	0	1	4	6	2	6.69634 - 5	26	2	14	0	0	1	3	8	2	3.90900 - 5	70
2	13	0	0	1	5	7	0	1.57450 - 5	26	2	14	0	0	1	4	9	0	7.03621 - 6	70
2	13	1	0	0	5	7	0	2.58598 - 5	28	2	14	1	0	0	4	9	0	1.84441 - 5	72
2	13	0	1	0	4	7	1	3.48172 - 5	37	2	14	0	1	0	3	9	1	3.58990 - 5	82
2	13	0	0	1	4	7	1	1.43493 - 5	39	2	14	0	0	1	3	9	1	3.12720 - 5	84
2	13	1	0	0	4	7	1	4.46293 - 6	41	2	14	1	0	0	3	9	1	1.59551 - 7	86
2	13	0	1	0	4	8	0	7.46255 - 9	50	2	14	0	1	0	3	10	0	1.25088 - 5	96
2	13	0	0	1	3	7	2	5.73972 - 5	52	2	14	0	0	1	2	9	2	2.86660 - 5	98
2	13	0	0	1	4	8	0	1.13505 - 5	52	2	14	0	0	1	3	10	0	3.12720 - 6	98
2	13	1	0	0	4	8	0	2.65675 - 5	54	2	14	1	0	0	3	10	0	1.25088 - 5	100
2	13	0	1	0	3	8	1	4.61815 - 5	63	2	14	0	1	0	2	10	1	3.95474 - 5	110
2	13	0	0	1	3	8	1	3.58733 - 5	65	2	14	0	0	1	2	10	1	4.58657 - 5	112
2	13	1	0	0	3	8	1	6.50070 - 7	67	2	14	1	0	0	2	10	1	2.34008 - 7	114
2	13	0	1	0	3	9	0	1.00939 - 5	76	2	14	0	1	0	2	11	0	4.76810 - 5	124
2	13	0	0	1	2	8	2	4.30479 - 5	78	2	14	0	0	1	1	10	2	1.71996 - 5	126
2	13	0	0	1	3	9	0	5.62077 - 6	78	2	14	0	0	1	2	11	0	3.47467 - 7	126
2	13	1	0	0	3	9	0	1.95796 - 5	80	2	14	1	0	0	2	11	0	4.79363 - 6	128
2	13	0	1	0	2	9	1	5.32478 - 5	89	2	14	0	1	0	1	11	1	3.70265 - 5	138
2	13	0	0	1	2	9	1	5.85930 - 5	91	2	14	0	0	1	1	11	1	5.21201 - 5	140
2	13	1	0	0	2	9	1	1.27803 - 7	93	2	14	1	0	0	1	11	1	1.28705 - 6	142
2	13	0	1	0	2	10	0	5.24052 - 5	102	2	14	0	1	0	1	12	0	1.18004 - 4	152
2	13	0	0	1	1	9	2	2.63070 - 5	104	2	14	0	0	1	0	11	2	6.77561 - 6	154
2	13	0	0	1	2	10	0	9.47278 - 7	104	2	14	0	0	1	1	12	0	7.81801 - 7	154
2	13	1	0	0	2	10	0	8.39151 - 6	106	2	14	1	0	0	1	12	0	6.38205 - 8	156
2	13	0	1	0	1	10	1	5.16286 - 5	115	2	14	0	1	0	0	12	1	2.50974 - 5	166
2	13	0	0	1	1	10	1	7.10290 - 5	117	2	14	0	0	1	0	12	1	4.06536 - 5	168
2	13	1	0	0	1	10	1	1.54398 - 6	119	2	14	1	0	0	0	12	1	1.86675 - 6	170
2	13	0	1	0	1	11	0	1.46405 - 4	128	2	14	0	1	0	0	13	0	2.37476 - 4	180
2	13	0	0	1	0	10	2	1.05228 - 5	130	2	14	0	0	1	0	13	0	7.03621 - 6	182
2	13	0	0	1	1	11	0	6.78229 - 7	130	2	14	1	0	0	0	13	0	5.16946 - 6	184
2	13	1	0	0	1	11	0	3.25068 - 7	132										
2	13	0	1	0	0	11	1	3.59796 - 5	141	2	15	0	0	1	6	6	2	3.87641 - 5	0
2	13	0	0	1	0	11	1	5.78755 - 5	143	2	15	0	0	1	7	7	0	9.60468 - 6	0
2	13	1	0	0	0	11	1	2.58984 - 6	145	2	15	1	0	0	7	7	0	9.77774 - 6	2
2	13	0	1	0	0	12	0	3.15384 - 4	154	2	15	0	1	0	6	7	1	1.21140 - 5	13
2	13	0	0	1	0	12	0	9.11841 - 6	156	2	15	0	0	1	6	7	1	6.92216 - 7	15
2	13	1	0	0	0	12	0	6.52857 - 6	158	2	15	1	0	0	6	7	1	7.01464 - 6	17
2	14	0	0	1	6	6	1	0.00000	0	2	15	0	1	0	6	8	0	4.34953 - 6	28

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
2	15	0	0	1	5	7	2	3.73796 - 5	30	2	16	0	1	0	6	9	0	1.79812 - 6	46
2	15	0	0	1	6	8	0	8.92792 - 6	30	2	16	0	0	1	5	8	2	2.76187 - 5	48
2	15	1	0	0	6	8	0	1.38652 - 5	32	2	16	0	0	1	6	9	0	6.35851 - 6	48
2	15	0	1	0	5	8	1	1.79335 - 5	43	2	16	1	0	0	6	9	0	1.12921 - 5	50
2	15	0	0	1	5	8	1	6.00744 - 6	45	2	16	0	1	0	5	9	1	1.54550 - 5	62
2	15	1	0	0	5	8	1	3.18191 - 6	47	2	16	0	0	1	5	9	1	7.01428 - 6	64
2	15	0	1	0	5	9	0	3.59335 - 7	58	2	16	1	0	0	5	9	1	1.64568 - 6	66
2	15	0	0	1	4	8	2	3.33747 - 5	60	2	16	0	1	0	5	10	0	2.56866 -10	78
2	15	0	0	1	5	9	0	7.04596 - 6	60	2	16	0	0	1	4	9	2	2.41116 - 5	80
2	15	1	0	0	5	9	0	1.50199 - 5	62	2	16	0	0	1	5	10	0	4.75108 - 6	80
2	15	0	1	0	4	9	1	2.36303 - 5	73	2	16	1	0	0	5	10	0	1.12204 - 5	82
2	15	0	0	1	4	9	1	1.54512 - 5	75	2	16	0	1	0	4	10	1	1.93411 - 5	94
2	15	1	0	0	4	9	1	8.65441 - 7	77	2	16	0	0	1	4	10	1	1.44669 - 5	96
2	15	0	1	0	4	10	0	1.77257 - 6	88	2	16	1	0	0	4	10	1	3.53197 - 7	98
2	15	0	0	1	3	9	2	2.71942 - 5	90	2	16	0	1	0	4	11	0	2.94091 - 6	110
2	15	0	0	1	4	10	0	4.40380 - 6	90	2	16	0	0	1	3	10	2	1.92893 - 5	112
2	15	1	0	0	4	10	0	1.28363 - 5	92	2	16	0	0	1	4	11	0	2.77831 - 6	112
2	15	0	1	0	3	10	1	2.80645 - 5	103	2	16	1	0	0	4	11	0	8.98250 - 6	114
2	15	0	0	1	3	10	1	2.66503 - 5	105	2	16	0	1	0	3	11	1	2.20963 - 5	126
2	15	1	0	0	3	10	1	1.82805 - 8	107	2	16	0	0	1	3	11	1	2.24457 - 5	128
2	15	0	1	0	3	11	0	1.37413 - 5	118	2	16	1	0	0	3	11	1	1.36997 - 9	130
2	15	0	0	1	2	10	2	1.95798 - 5	120	2	16	0	1	0	3	12	0	1.41053 - 5	142
2	15	0	0	1	3	11	0	1.74309 - 6	120	2	16	0	0	1	2	11	2	1.36778 - 5	144
2	15	1	0	0	3	11	0	8.09563 - 6	122	2	16	0	0	1	3	12	0	9.66290 - 7	144
2	15	0	1	0	2	11	1	2.98000 - 5	133	2	16	1	0	0	3	12	0	5.30184 - 6	146
2	15	0	0	1	2	11	1	3.60446 - 5	135	2	16	0	1	0	2	12	1	2.27619 - 5	158
2	15	1	0	0	2	11	1	2.96788 - 7	137	2	16	0	0	1	2	12	1	2.84955 - 5	160
2	15	0	1	0	2	12	0	4.26042 - 5	148	2	16	1	0	0	2	12	1	3.21688 - 7	162
2	15	0	0	1	1	11	2	1.15699 - 5	150	2	16	0	1	0	2	13	0	3.76801 - 5	174
2	15	0	0	1	2	12	0	1.02171 - 7	150	2	16	0	0	1	1	12	2	7.97874 - 6	176
2	15	1	0	0	2	12	0	2.76579 - 6	152	2	16	0	0	1	2	13	0	1.64397 - 8	176
2	15	0	1	0	1	12	1	2.71036 - 5	163	2	16	1	0	0	2	13	0	1.60313 - 6	178
2	15	0	0	1	1	12	1	3.88877 - 5	165	2	16	0	1	0	1	13	1	2.02034 - 5	190
2	15	1	0	0	1	12	1	1.06066 - 6	167	2	16	0	0	1	1	13	1	2.94600 - 5	192
2	15	0	1	0	1	13	0	9.58868 - 5	178	2	16	1	0	0	1	13	1	8.70277 - 7	194
2	15	0	0	1	0	12	2	4.49940 - 6	180	2	16	0	1	0	1	14	0	7.85533 - 5	206
2	15	0	0	1	1	13	0	8.16019 - 7	180	2	16	0	0	1	0	13	2	3.06875 - 6	208
2	15	1	0	0	1	13	0	1.30563 - 9	182	2	16	0	0	1	1	14	0	8.05546 - 7	208
2	15	0	1	0	0	13	1	1.79457 - 5	193	2	16	1	0	0	1	14	0	1.25867 - 8	210
2	15	0	0	1	0	13	1	2.92461 - 5	195	2	16	0	1	0	0	14	1	1.31111 - 5	222
2	15	1	0	0	0	13	1	1.37294 - 6	197	2	16	0	0	1	0	14	1	2.14812 - 5	224
2	15	0	1	0	0	14	0	1.82301 - 4	208	2	16	1	0	0	0	14	1	1.02791 - 6	226
2	15	0	0	1	0	14	0	5.51629 - 6	210	2	16	0	1	0	0	15	0	1.42315 - 4	238
2	15	1	0	0	0	14	0	4.14334 - 6	212	2	16	0	0	1	0	15	0	4.38575 - 6	240
										2	16	1	0	0	0	15	0	3.35784 - 6	242
2	16	0	0	1	7	7	1	0.00000	0										
2	16	1	0	0	7	7	1	7.24991 - 6	2	2	17	0	0	1	7	7	2	2.31389 - 5	0
2	16	0	1	0	7	8	0	5.55072 - 6	14	2	17	0	0	1	8	8	0	5.74463 - 6	0
2	16	0	0	1	6	7	2	2.94600 - 5	16	2	17	1	0	0	8	8	0	5.82498 - 6	2
2	16	0	0	1	7	8	0	7.24991 - 6	16	2	17	0	1	0	7	8	1	7.07253 - 6	15
2	16	1	0	0	7	8	0	9.17567 - 6	18	2	17	0	0	1	7	8	1	3.21374 - 7	17
2	16	0	1	0	6	8	1	1.12219 - 5	30	2	17	1	0	0	7	8	1	4.37865 - 6	19
2	16	0	0	1	6	8	1	1.84125 - 6	32	2	17	0	1	0	7	9	0	2.95791 - 6	32
2	16	1	0	0	6	8	1	3.97199 - 6	34	2	17	0	0	1	6	8	2	2.24962 - 5	34

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X
2	17	0	0	1	7	9	0	5.42884 - 6	34	2	18	0	0	1	7	8	2	1.81894 - 5	18
2	17	1	0	0	7	9	0	8.06504 - 6	36	2	18	0	0	1	8	9	0	4.49121 - 6	18
2	17	0	1	0	6	9	1	1.01200 - 5	49	2	18	1	0	0	8	9	0	5.54470 - 6	20
2	17	0	0	1	6	9	1	2.81202 - 6	51	2	18	0	1	0	7	9	1	6.65642 - 6	34
2	17	1	0	0	6	9	1	2.26288 - 6	53	2	18	0	0	1	7	9	1	8.98242 - 7	36
2	17	0	1	0	6	10	0	5.76047 - 7	66	2	18	1	0	0	7	9	1	2.66423 - 6	38
2	17	0	0	1	5	9	2	2.06215 - 5	68	2	18	0	1	0	7	10	0	1.44218 - 6	52
2	17	0	0	1	6	10	0	4.53502 - 6	68	2	18	0	0	1	6	9	2	1.72912 - 5	54
2	17	1	0	0	6	10	0	8.99440 - 6	70	2	18	0	0	1	7	10	0	4.05332 - 6	54
2	17	0	1	0	5	10	1	1.31895 - 5	83	2	18	1	0	0	7	10	0	6.83163 - 6	56
2	17	0	0	1	5	10	1	7.36483 - 6	85	2	18	0	1	0	6	10	1	8.97646 - 6	70
2	17	1	0	0	5	10	1	8.42559 - 7	87	2	18	0	0	1	6	10	1	3.45823 - 6	72
2	17	0	1	0	5	11	0	2.20094 - 7	100	2	18	1	0	0	6	10	1	1.29150 - 6	74
2	17	0	0	1	4	10	2	1.76756 - 5	102	2	18	0	1	0	6	11	0	9.37055 - 8	88
2	17	0	0	1	5	11	0	3.22385 - 6	102	2	18	0	0	1	5	10	2	1.55620 - 5	90
2	17	1	0	0	5	11	0	8.35783 - 6	104	2	18	0	0	1	6	11	0	3.24490 - 6	90
2	17	0	1	0	4	11	1	1.58422 - 5	117	2	18	1	0	0	6	11	0	7.08003 - 6	92
2	17	0	0	1	4	11	1	1.31228 - 5	119	2	18	0	1	0	5	11	1	1.12006 - 5	106
2	17	1	0	0	4	11	1	1.27940 - 7	121	2	18	0	0	1	5	11	1	7.27576 - 6	108
2	17	0	1	0	4	12	0	3.85926 - 6	134	2	18	1	0	0	5	11	1	4.21675 - 7	110
2	17	0	0	1	3	11	2	1.39262 - 5	136	2	18	0	1	0	5	12	0	6.40968 - 7	124
2	17	0	0	1	4	12	0	1.76316 - 6	136	2	18	0	0	1	4	11	2	1.31368 - 5	126
2	17	1	0	0	4	12	0	6.32864 - 6	138	2	18	0	0	1	5	12	0	2.20069 - 6	126
2	17	0	1	0	3	12	1	1.75323 - 5	151	2	18	1	0	0	5	12	0	6.23003 - 6	128
2	17	0	0	1	3	12	1	1.88004 - 5	153	2	18	0	1	0	4	12	1	1.30106 - 5	142
2	17	1	0	0	3	12	1	2.21362 - 8	155	2	18	0	0	1	4	12	1	1.16771 - 5	144
2	17	0	1	0	3	13	0	1.38912 - 5	168	2	18	1	0	0	4	12	1	3.60406 - 8	146
2	17	0	0	1	2	12	2	9.74835 - 6	170	2	18	0	1	0	4	13	0	4.49121 - 6	160
2	17	0	0	1	3	13	0	5.27882 - 7	170	2	18	0	0	1	3	12	2	1.02175 - 5	162
2	17	1	0	0	3	13	0	3.50860 - 6	172	2	18	0	0	1	4	13	0	1.12280 - 6	162
2	17	0	1	0	2	13	1	1.76068 - 5	185	2	18	1	0	0	4	13	0	4.49121 - 6	164
2	17	0	0	1	2	13	1	2.26837 - 5	187	2	18	0	1	0	3	13	1	1.40212 - 5	178
2	17	1	0	0	2	13	1	3.21137 - 7	189	2	18	0	0	1	3	13	1	1.57192 - 5	180
2	17	0	1	0	2	14	0	3.31422 - 5	202	2	18	1	0	0	3	13	1	4.85162 - 8	182
2	17	0	0	1	1	13	2	5.62405 - 6	204	2	18	0	1	0	3	14	0	1.33212 - 5	196
2	17	0	0	1	2	14	0	6.97425 -11	204	2	18	0	0	1	2	13	2	7.07366 - 6	198
2	17	1	0	0	2	14	0	9.28017 - 7	206	2	18	0	0	1	3	14	0	2.80701 - 7	198
2	17	0	1	0	1	14	1	1.53056 - 5	219	2	18	1	0	0	3	14	0	2.34264 - 6	200
2	17	0	0	1	1	14	1	2.26301 - 5	221	2	18	0	1	0	2	14	1	1.37793 - 5	214
2	17	1	0	0	1	14	1	7.13808 - 7	223	2	18	0	0	1	2	14	1	1.81894 - 5	216
2	17	0	1	0	1	15	0	6.48670 - 5	236	2	18	1	0	0	2	14	1	3.05652 - 7	218
2	17	0	0	1	0	14	2	2.14249 - 6	238	2	18	0	1	0	2	15	0	2.90770 - 5	232
2	17	0	0	1	1	15	0	7.68913 - 7	238	2	18	0	0	1	1	14	2	4.04209 - 6	234
2	17	1	0	0	1	15	0	4.56646 - 8	240	2	18	0	0	1	2	15	0	1.12280 - 8	234
2	17	0	1	0	0	15	1	9.76146 - 6	253	2	18	1	0	0	2	15	0	5.32846 - 7	236
2	17	0	0	1	0	15	1	1.60687 - 5	255	2	18	0	1	0	1	15	1	1.17648 - 5	250
2	17	1	0	0	0	15	1	7.81890 - 7	257	2	18	0	0	1	1	15	1	1.76055 - 5	252
2	17	0	1	0	0	16	0	1.12749 - 4	270	2	18	1	0	0	1	15	1	5.86630 - 7	254
2	17	0	0	1	0	16	0	3.53072 - 6	272	2	18	0	1	0	1	16	0	5.39744 - 5	268
2	17	1	0	0	0	16	0	2.74883 - 6	274	2	18	0	0	1	0	15	2	1.52701 - 6	270
										2	18	0	0	1	1	16	0	7.18594 - 7	270
2	18	0	0	1	8	8	1	0.00000	0	2	18	1	0	0	1	16	0	7.98437 - 8	272
2	18	1	0	0	8	8	1	4.49121 - 6	2	2	18	0	1	0	0	16	1	7.38998 - 6	286
2	18	0	1	0	8	9	0	3.54861 - 6	16	2	18	0	0	1	0	16	1	1.22161 - 5	288

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
2	18	1	0	0	0	16	1	6.03264 - 7	290	3	5	2	0	0	1	3	0	6.28643 - 5	16
2	18	0	1	0	0	17	0	9.04984 - 5	304	3	5	0	1	1	0	4	0	6.45372 - 4	17
2	18	0	0	1	0	17	0	2.87437 - 6	306	3	5	1	0	1	0	3	1	1.10504 - 4	18
2	18	1	0	0	0	17	0	2.27111 - 6	308	3	5	1	1	0	0	4	0	1.79016 - 4	20
										3	5	2	0	0	0	3	1	5.52518 - 7	21
3	4	0	0	2	0	0	3	3.63400 - 1	0	3	5	1	0	1	0	4	0	7.67386 - 7	23
3	4	0	0	2	1	1	1	2.80401 - 2	0	3	5	2	0	0	0	4	0	6.13909 - 8	26
3	4	1	1	0	1	1	1	1.29992 - 1	0										
3	4	0	1	1	0	1	2	2.12929 - 1	1	3	6	0	0	2	1	1	3	8.55406 - 3	0
3	4	0	1	1	1	2	0	5.91590 - 2	1	3	6	0	0	2	2	2	1	8.35357 - 4	0
3	4	0	2	0	0	2	1	9.30188 - 2	2	3	6	0	2	0	2	3	0	1.49438 - 3	0
3	4	2	0	0	2	1	0	5.45097 - 2	2	3	6	1	1	0	2	2	1	4.56431 - 3	0
3	4	1	0	1	1	1	1	9.47755 - 2	3	3	6	2	0	0	3	2	0	1.49438 - 3	0
3	4	0	0	2	0	1	2	1.21133 - 1	4	3	6	0	1	1	1	2	2	5.64702 - 3	3
3	4	1	1	0	1	2	0	1.58372 - 1	4	3	6	0	1	1	2	3	0	1.75529 - 3	3
3	4	0	1	1	0	2	1	1.94423 - 1	5	3	6	1	0	1	2	2	1	2.02156 - 3	3
3	4	0	2	0	0	3	0	2.29173 - 1	6	3	6	0	0	2	1	2	2	1.06926 - 3	6
3	4	2	0	0	1	1	1	6.04888 - 4	6	3	6	0	2	0	1	3	1	1.75529 - 3	6
3	4	1	0	1	0	1	2	9.46353 - 4	7	3	6	1	1	0	2	3	0	1.91101 - 3	6
3	4	1	0	1	1	2	0	8.47288 - 4	7	3	6	2	0	0	2	2	1	4.71194 - 5	6
3	4	0	0	2	0	2	1	8.41203 - 4	8	3	6	0	1	1	1	3	1	5.34629 - 4	9
3	4	1	1	0	0	2	1	1.28173 - 3	8	3	6	1	0	1	1	2	2	8.35357 - 4	9
3	4	0	1	1	0	3	0	1.22700 - 3	9	3	6	1	0	1	2	3	0	1.76469 - 4	9
3	4	2	0	0	1	2	0	7.75925 - 5	10	3	6	0	0	2	0	2	3	5.34629 - 3	12
3	4	1	0	1	0	2	1	1.05150 - 4	11	3	6	0	0	2	1	3	1	2.67314 - 4	12
3	4	1	1	0	0	3	0	1.38626 - 4	12	3	6	0	2	0	1	4	0	6.39569 - 6	12
3	4	2	0	0	0	2	1	2.05372 - 7	14	3	6	1	1	0	1	3	1	1.75529 - 3	12
3	4	1	0	1	0	3	0	2.43404 - 7	15	3	6	2	0	0	2	3	0	4.85682 - 4	12
3	4	2	0	0	0	3	0	7.60636 - 9	18	3	6	0	1	1	0	3	2	8.18650 - 3	15
										3	6	0	1	1	1	4	0	1.75529 - 3	15
3	5	0	0	2	1	1	2	0.00000	0	3	6	1	0	1	1	3	1	2.13851 - 3	15
3	5	1	1	0	2	2	0	0.00000	0	3	6	0	0	2	0	3	2	5.34629 - 3	18
3	5	2	0	0	2	1	1	1.75369 - 3	1	3	6	0	2	0	0	4	1	6.14053 - 3	18
3	5	0	1	1	1	2	1	6.63022 - 4	2	3	6	1	1	0	1	4	0	7.20822 - 3	18
3	5	1	0	1	1	1	2	8.95079 - 3	3	3	6	2	0	0	1	3	1	5.11656 - 5	18
3	5	1	0	1	2	2	0	2.58149 - 3	3	3	6	0	1	1	0	4	1	1.41175 - 2	21
3	5	0	2	0	1	3	0	1.81619 - 3	4	3	6	1	0	1	0	3	2	1.67071 - 4	21
3	5	0	0	2	0	1	3	2.79712 - 2	5	3	6	1	0	1	1	4	0	1.26348 - 4	21
3	5	0	0	2	1	2	1	2.07194 - 3	5	3	6	0	0	2	0	4	1	1.67071 - 4	24
3	5	1	1	0	1	2	1	1.11520 - 2	5	3	6	0	2	0	0	5	0	2.18343 - 2	24
3	5	2	0	0	2	2	0	3.83693 - 3	6	3	6	1	1	0	0	4	1	3.45238 - 4	24
3	5	0	1	1	0	2	2	3.02089 - 2	7	3	6	2	0	0	1	4	0	3.77216 - 5	24
3	5	0	1	1	1	3	0	7.67386 - 3	7	3	6	0	1	1	0	5	0	3.76955 - 4	27
3	5	1	0	1	1	2	1	1.06083 - 2	8	3	6	1	0	1	0	4	1	8.35357 - 5	27
3	5	0	2	0	0	3	1	1.81010 - 2	9	3	6	1	1	0	0	5	0	1.59893 - 4	30
3	5	0	0	2	0	2	2	1.86475 - 2	10	3	6	2	0	0	0	4	1	6.52623 - 7	30
3	5	1	1	0	1	3	0	2.57783 - 2	10	3	6	1	0	1	0	5	0	1.04420 - 6	33
3	5	2	0	0	1	2	1	1.62440 - 4	11	3	6	2	0	0	0	5	0	1.30525 - 7	36
3	5	0	1	1	0	3	1	3.98918 - 2	12										
3	5	1	0	1	0	2	2	3.72950 - 4	13	3	7	0	0	2	2	2	2	0.00000	0
3	5	1	0	1	1	3	0	3.06954 - 4	13	3	7	1	1	0	3	3	0	0.00000	0
3	5	0	2	0	0	4	0	5.43605 - 2	14	3	7	0	2	0	2	3	1	1.97455 - 4	1
3	5	0	0	2	0	3	1	3.45324 - 4	15	3	7	1	0	1	2	2	2	1.24322 - 3	3
3	5	1	1	0	0	3	1	6.38711 - 4	15	3	7	1	0	1	3	3	0	3.71027 - 4	3

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
3	7	0	1	1	2	3	1	1.84181 - 4	4	3	8	1	0	1	3	4	0	7.75854 - 5	11
3	7	2	0	0	3	3	0	5.11828 - 4	6	3	8	0	1	1	2	4	1	1.63117 - 6	13
3	7	0	0	2	1	2	3	3.04590 - 3	7	3	8	2	0	0	3	4	0	1.62499 - 4	14
3	7	0	0	2	2	3	1	2.82028 - 4	7	3	8	0	0	2	2	4	1	9.55446 - 5	16
3	7	1	1	0	2	3	1	1.63555 - 3	7	3	8	0	0	2	1	3	3	1.24840 - 3	16
3	7	0	2	0	2	4	0	4.02053 - 4	8	3	8	1	1	0	2	4	1	6.03744 - 4	16
3	7	1	0	1	2	3	1	1.15113 - 3	10	3	8	0	2	0	2	5	0	7.40195 - 5	18
3	7	0	1	1	1	3	2	2.99410 - 3	11	3	8	1	0	1	2	4	1	5.52954 - 4	19
3	7	0	1	1	2	4	0	9.02148 - 4	11	3	8	0	1	1	1	4	2	1.61673 - 3	21
3	7	2	0	0	2	3	1	1.17463 - 7	13	3	8	0	1	1	2	5	0	4.52885 - 4	21
3	7	0	0	2	1	3	2	1.01530 - 3	14	3	8	2	0	0	2	4	1	3.35291 - 6	22
3	7	1	1	0	2	4	0	1.82678 - 3	14	3	8	0	0	2	1	4	2	7.02225 - 4	24
3	7	0	2	0	1	4	1	1.23666 - 3	15	3	8	1	1	0	2	5	0	1.23645 - 3	24
3	7	1	0	1	1	3	2	9.32418 - 5	17	3	8	0	2	0	1	5	1	8.25083 - 4	26
3	7	1	0	1	2	4	0	6.82153 - 6	17	3	8	1	0	1	1	4	2	7.46724 - 6	27
3	7	0	1	1	1	4	1	1.03755 - 3	18	3	8	1	0	1	2	5	0	6.93044 - 7	27
3	7	2	0	0	2	4	0	7.35229 - 5	20	3	8	0	1	1	1	5	1	9.97438 - 4	29
3	7	0	0	2	0	3	3	1.52295 - 3	21	3	8	2	0	0	2	5	0	1.03394 - 5	30
3	7	0	0	2	1	4	1	3.76037 - 5	21	3	8	0	0	2	0	4	3	5.46175 - 4	32
3	7	1	1	0	1	4	1	3.43053 - 4	21	3	8	0	0	2	1	5	1	3.61227 - 6	32
3	7	0	2	0	1	5	0	2.75396 - 4	22	3	8	1	1	0	1	5	1	6.87712 - 5	32
3	7	1	0	1	1	4	1	5.54079 - 4	24	3	8	0	2	0	1	6	0	4.35720 - 4	34
3	7	0	1	1	0	4	2	2.98374 - 3	25	3	8	1	0	1	1	5	1	1.63004 - 4	35
3	7	0	1	1	1	5	0	5.10404 - 4	25	3	8	0	1	1	0	5	2	1.29610 - 3	37
3	7	2	0	0	1	4	1	1.81049 - 5	27	3	8	0	1	1	1	6	0	1.67444 - 4	37
3	7	0	0	2	0	4	2	2.03060 - 3	28	3	8	2	0	0	1	5	1	6.94636 - 6	38
3	7	1	1	0	1	5	0	2.55800 - 3	28	3	8	1	1	0	1	6	0	1.04135 - 3	40
3	7	0	2	0	0	5	1	2.66959 - 3	29	3	8	0	0	2	0	5	2	9.10292 - 4	40
3	7	1	0	1	0	4	2	8.28816 - 5	31	3	8	0	2	0	0	6	1	1.34220 - 3	42
3	7	1	0	1	1	5	0	5.73691 - 5	31	3	8	1	0	1	1	6	0	2.80265 - 5	43
3	7	0	1	1	0	5	1	6.34413 - 3	32	3	8	1	0	1	0	5	2	4.44479 - 5	43
3	7	2	0	0	1	5	0	2.15616 - 5	34	3	8	0	1	1	0	6	1	3.27459 - 3	45
3	7	0	0	2	0	5	1	9.02489 - 5	35	3	8	2	0	0	1	6	0	1.23791 - 5	46
3	7	1	1	0	0	5	1	2.00307 - 4	35	3	8	0	0	2	0	6	1	5.26789 - 5	48
3	7	0	2	0	0	6	0	1.09763 - 2	36	3	8	1	1	0	0	6	1	1.22888 - 4	48
3	7	1	0	1	0	5	1	5.89380 - 5	38	3	8	0	2	0	0	7	0	6.26562 - 3	50
3	7	0	1	1	0	6	0	2.37458 - 4	39	3	8	1	0	1	0	6	1	4.11554 - 5	51
3	7	2	0	0	0	5	1	6.01408 - 7	41	3	8	0	1	1	0	7	0	1.57960 - 4	53
3	7	1	1	0	0	6	0	1.29904 - 4	42	3	8	2	0	0	0	6	1	5.02386 - 7	54
3	7	1	0	1	0	6	0	1.09145 - 6	45	3	8	1	1	0	0	7	0	1.02547 - 4	56
3	7	2	0	0	0	6	0	1.78195 - 7	48	3	8	1	0	1	0	7	0	1.02072 - 6	59
										3	8	2	0	0	0	7	0	1.99359 - 7	62
3	8	0	0	2	2	2	3	1.56050 - 3	0										
3	8	0	0	2	3	3	1	1.62022 - 4	0	3	9	0	0	2	3	3	2	0.00000	0
3	8	1	1	0	3	3	1	9.39061 - 4	0	3	9	1	1	0	4	4	0	0.00000	0
3	8	0	2	0	3	4	0	2.95051 - 4	2	3	9	1	0	1	3	3	2	3.62098 - 4	3
3	8	1	0	1	3	3	1	3.58434 - 4	3	3	9	1	0	1	4	4	0	1.09535 - 4	3
3	8	0	1	1	2	3	2	1.02428 - 3	5	3	9	0	2	0	3	4	1	4.92856 - 5	3
3	8	0	1	1	3	4	0	3.25501 - 4	5	3	9	0	1	1	3	4	1	7.24197 - 5	6
3	8	2	0	0	3	3	1	2.05039 - 5	6	3	9	2	0	0	4	4	0	1.46650 - 4	6
3	8	0	0	2	2	3	2	1.04033 - 4	8	3	9	0	0	2	2	3	3	8.14721 - 4	9
3	8	1	1	0	3	4	0	2.06055 - 4	8	3	9	0	0	2	3	4	1	8.14721 - 5	9
3	8	0	2	0	2	4	1	2.46477 - 4	10	3	9	1	1	0	3	4	1	4.86821 - 4	9
3	8	1	0	1	2	3	2	3.09052 - 4	11	3	9	1	0	1	3	4	1	2.89679 - 4	12

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Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X
3	9	0	2	0	3	5	0	1.35988 - 4	12	3	10	1	0	1	4	4	1	1.14853 - 4	3
3	9	0	1	1	3	5	0	2.31743 - 4	15	3	10	0	2	0	4	5	0	9.93612 - 5	4
3	9	0	1	1	2	4	2	7.33249 - 4	15	3	10	2	0	0	4	4	1	9.00208 - 6	6
3	9	2	0	0	3	4	1	1.00583 - 6	15	3	10	0	1	1	3	4	2	3.24861 - 4	7
3	9	0	0	2	2	4	2	1.62944 - 4	18	3	10	0	1	1	4	5	0	1.03775 - 4	7
3	9	1	1	0	3	5	0	3.21865 - 4	18	3	10	0	0	2	3	4	2	2.10931 - 5	10
3	9	1	0	1	2	4	2	8.14721 - 5	21	3	10	1	1	0	4	5	0	4.37663 - 5	10
3	9	1	0	1	3	5	0	1.44839 - 5	21	3	10	1	0	1	4	5	0	3.55991 - 5	13
3	9	0	2	0	2	5	1	2.31743 - 4	21	3	10	1	0	1	3	4	2	1.32913 - 4	13
3	9	0	1	1	2	5	1	6.51777 - 5	24	3	10	0	2	0	3	5	1	6.46039 - 5	14
3	9	2	0	0	3	5	0	5.14984 - 5	24	3	10	2	0	0	4	5	0	6.62098 - 5	16
3	9	0	0	2	1	4	3	5.70305 - 4	27	3	10	0	1	1	3	5	1	3.96738 - 6	17
3	9	0	0	2	2	5	1	3.25888 - 5	27	3	10	0	0	2	2	4	3	4.42956 - 4	20
3	9	1	1	0	2	5	1	2.31743 - 4	27	3	10	0	0	2	3	5	1	3.93973 - 5	20
3	9	1	0	1	2	5	1	2.60711 - 4	30	3	10	1	1	0	3	5	1	2.47207 - 4	20
3	9	0	2	0	2	6	0	3.21865 - 6	30	3	10	1	0	1	3	5	1	1.90796 - 4	23
3	9	0	1	1	1	5	2	9.12488 - 4	33	3	10	0	2	0	3	6	0	5.27314 - 5	24
3	9	0	1	1	2	6	0	2.31743 - 4	33	3	10	2	0	0	3	5	1	1.03110 - 7	26
3	9	2	0	0	2	5	1	3.62098 - 6	33	3	10	0	1	1	2	5	2	5.04992 - 4	27
3	9	1	1	0	2	6	0	7.73281 - 4	36	3	10	0	1	1	3	6	0	1.53896 - 4	27
3	9	0	0	2	1	5	2	4.56244 - 4	36	3	10	0	0	2	2	5	2	1.59464 - 4	30
3	9	1	0	1	1	5	2	0.00000	39	3	10	1	1	0	3	6	0	3.09649 - 4	30
3	9	1	0	1	2	6	0	3.62098 - 6	39	3	10	1	0	1	2	5	2	2.12840 - 5	33
3	9	0	2	0	1	6	1	5.51999 - 4	39	3	10	1	0	1	3	6	0	1.78226 - 6	33
3	9	0	1	1	1	6	1	8.11100 - 4	42	3	10	0	2	0	2	6	1	1.96158 - 4	34
3	9	2	0	0	2	6	0	8.04663 - 7	42	3	10	2	0	0	3	6	0	1.61476 - 5	36
3	9	1	1	0	1	6	1	1.12653 - 5	45	3	10	0	1	1	2	6	1	1.20041 - 4	37
3	9	0	0	2	0	5	3	2.28122 - 4	45	3	10	0	0	2	1	5	3	2.83492 - 4	40
3	9	0	0	2	1	6	1	0.00000	45	3	10	0	0	2	2	6	1	1.08483 - 5	40
3	9	1	0	1	1	6	1	5.06938 - 5	48	3	10	1	1	0	2	6	1	9.12412 - 5	40
3	9	0	2	0	1	7	0	4.63486 - 4	48	3	10	1	0	1	2	6	1	1.24520 - 4	43
3	9	0	1	1	0	6	2	6.33672 - 4	51	3	10	0	2	0	2	7	0	4.98241 - 6	44
3	9	0	1	1	1	7	0	5.79357 - 5	51	3	10	2	0	0	2	6	1	2.66395 - 6	46
3	9	2	0	0	1	6	1	2.81632 - 6	51	3	10	0	1	1	1	6	2	5.38649 - 4	47
3	9	0	0	2	0	6	2	4.56244 - 4	54	3	10	0	1	1	2	7	0	1.21685 - 4	47
3	9	1	1	0	1	7	0	4.63486 - 4	54	3	10	0	0	2	1	6	2	2.95304 - 4	50
3	9	1	0	1	0	6	2	2.53469 - 5	57	3	10	1	1	0	2	7	0	4.76470 - 4	50
3	9	1	0	1	1	7	0	1.44839 - 5	57	3	10	1	0	1	1	6	2	1.19598 - 6	53
3	9	0	2	0	0	7	1	7.43911 - 4	57	3	10	1	0	1	2	7	0	4.47958 - 6	53
3	9	0	1	1	0	7	1	1.85394 - 3	60	3	10	0	2	0	1	7	1	3.75876 - 4	54
3	9	2	0	0	1	7	0	7.24196 - 6	60	3	10	2	0	0	2	7	0	1.89415 - 8	56
3	9	0	0	2	0	7	1	3.25888 - 5	63	3	10	0	1	1	1	7	1	6.24793 - 4	57
3	9	1	1	0	0	7	1	7.88570 - 5	63	3	10	0	0	2	0	6	3	1.06309 - 4	60
3	9	1	0	1	0	7	1	2.89679 - 5	66	3	10	0	0	2	1	7	1	7.65603 - 7	60
3	9	0	2	0	0	8	0	3.88672 - 3	66	3	10	1	1	0	1	7	1	7.01909 - 7	60
3	9	0	1	1	0	8	0	1.09535 - 4	69	3	10	1	0	1	1	7	1	1.56795 - 5	63
3	9	2	0	0	0	7	1	4.02331 - 7	69	3	10	0	2	0	1	8	0	4.31113 - 4	64
3	9	1	1	0	0	8	0	8.04663 - 5	72	3	10	2	0	0	1	7	1	1.18194 - 6	66
3	9	1	0	1	0	8	0	9.05246 - 7	75	3	10	0	1	1	0	7	2	3.37665 - 4	67
3	9	2	0	0	0	8	0	2.01166 - 7	78	3	10	0	1	1	1	8	0	2.00055 - 5	67
										3	10	0	0	2	0	7	2	2.48055 - 4	70
3	10	0	0	2	3	3	3	5.06235 - 4	0	3	10	1	1	0	1	8	0	2.19327 - 4	70
3	10	0	0	2	4	4	1	5.39291 - 5	0	3	10	1	0	1	0	7	2	1.51934 - 5	73
3	10	1	1	0	4	4	1	3.21198 - 4	0	3	10	1	0	1	1	8	0	7.82367 - 6	73

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X
3	10	0	2	0	0	8	1	4.42574 - 4	74	3	11	0	2	0	2	8	0	2.10616 - 5	60
3	10	2	0	0	1	8	0	4.33137 - 6	76	3	11	2	0	0	2	7	1	1.73393 - 6	61
3	10	0	1	1	0	8	1	1.12246 - 3	77	3	11	0	1	1	1	7	2	3.31130 - 4	63
3	10	0	0	2	0	8	1	2.11019 - 5	80	3	11	0	1	1	2	8	0	6.54228 - 5	63
3	10	1	1	0	0	8	1	5.25123 - 5	80	3	11	0	0	2	1	7	2	1.93819 - 4	66
3	10	1	0	1	0	8	1	2.06799 - 5	83	3	11	1	1	0	2	8	0	2.95247 - 4	66
3	10	0	2	0	0	9	0	2.55851 - 3	84	3	11	1	0	1	1	7	2	2.22474 - 6	69
3	10	2	0	0	0	8	1	3.16661 - 7	86	3	11	1	0	1	2	8	0	4.06317 - 6	69
3	10	0	1	1	0	9	0	7.85073 - 5	87	3	11	0	2	0	1	8	1	2.61429 - 4	71
3	10	1	1	0	0	9	0	6.33386 - 5	90	3	11	2	0	0	2	8	0	3.46724 - 7	72
3	10	1	0	1	0	9	0	7.81879 - 7	93	3	11	0	1	1	1	8	1	4.73451 - 4	74
3	10	2	0	0	0	9	0	1.91560 - 7	96	3	11	0	0	2	0	7	3	5.38387 - 5	77
										3	11	0	0	2	1	8	1	1.59522 - 6	77
3	11	0	0	2	4	4	2	0.00000	0	3	11	1	1	0	1	8	1	2.30550 - 7	77
3	11	1	1	0	5	5	0	0.00000	0	3	11	1	0	1	1	8	1	4.45607 - 6	80
3	11	1	0	1	4	4	2	1.45350 - 4	3	3	11	0	2	0	1	9	0	3.78859 - 4	82
3	11	1	0	1	5	5	0	4.42649 - 5	3	3	11	2	0	0	1	8	1	5.03811 - 7	83
3	11	0	2	0	4	5	1	1.76204 - 5	5	3	11	0	1	1	0	8	2	1.92218 - 4	85
3	11	2	0	0	5	5	0	5.83831 - 5	6	3	11	0	1	1	1	9	0	6.44550 - 6	85
3	11	0	1	1	4	5	1	3.44533 - 5	8	3	11	0	0	2	0	8	2	1.43570 - 4	88
3	11	0	0	2	3	4	3	3.14059 - 4	11	3	11	1	1	0	1	9	0	1.08307 - 4	88
3	11	0	0	2	4	5	1	3.25691 - 5	11	3	11	1	0	1	0	8	2	9.49222 - 6	91
3	11	1	1	0	4	5	1	1.97546 - 4	11	3	11	1	0	1	1	9	0	4.37762 - 6	91
3	11	1	0	1	4	5	1	1.05513 - 4	14	3	11	0	2	0	0	9	1	2.77985 - 4	93
3	11	0	2	0	4	6	0	5.81202 - 5	16	3	11	2	0	0	1	9	0	2.64739 - 6	94
3	11	2	0	0	4	5	1	1.17677 - 6	17	3	11	0	1	1	0	9	1	7.15447 - 4	96
3	11	0	1	1	3	5	2	2.63187 - 4	19	3	11	0	0	2	0	9	1	1.41797 - 5	99
3	11	0	1	1	4	6	0	8.46099 - 5	19	3	11	1	1	0	0	9	1	3.60755 - 5	99
3	11	0	0	2	3	5	2	4.18746 - 5	22	3	11	1	0	1	0	9	1	1.50001 - 5	102
3	11	1	1	0	4	6	0	8.64891 - 5	22	3	11	0	2	0	0	10	0	1.76158 - 3	104
3	11	1	0	1	3	5	2	5.00072 - 5	25	3	11	2	0	0	0	9	1	2.47935 - 7	105
3	11	1	0	1	4	6	0	1.09182 - 5	25	3	11	0	1	1	0	10	0	5.78153 - 5	107
3	11	0	2	0	3	6	1	6.79651 - 5	27	3	11	1	1	0	0	10	0	5.02068 - 5	110
3	11	2	0	0	4	6	0	2.89959 - 5	28	3	11	1	0	1	0	10	0	6.66669 - 7	113
3	11	0	1	1	3	6	1	3.70167 - 6	30	3	11	2	0	0	0	10	0	1.76309 - 7	116
3	11	0	0	2	2	5	3	2.51247 - 4	33										
3	11	0	0	2	3	6	1	1.87660 - 5	33	3	12	0	0	2	4	4	3	2.16164 - 4	0
3	11	1	1	0	3	6	1	1.25790 - 4	33	3	12	0	0	2	5	5	1	2.33369 - 5	0
3	11	1	0	1	3	6	1	1.17397 - 4	36	3	12	1	1	0	5	5	1	1.41060 - 4	0
3	11	0	2	0	3	7	0	1.59479 - 5	38	3	12	1	0	1	5	5	1	4.87251 - 5	3
3	11	2	0	0	3	6	1	6.05078 - 7	39	3	12	0	2	0	5	6	0	4.32321 - 5	6
3	11	0	1	1	2	6	2	3.46071 - 4	41	3	12	2	0	0	5	5	1	4.45297 - 6	6
3	11	0	1	1	3	7	0	9.98507 - 5	41	3	12	0	1	1	4	5	2	1.35537 - 4	9
3	11	0	0	2	2	6	2	1.33999 - 4	44	3	12	0	1	1	5	6	0	4.33122 - 5	9
3	11	1	1	0	3	7	0	2.53466 - 4	44	3	12	0	0	2	4	5	2	6.17612 - 6	12
3	11	1	0	1	2	6	2	4.98342 - 6	47	3	12	1	1	0	5	6	0	1.31389 - 5	12
3	11	1	0	1	3	7	0	9.77586 - 9	47	3	12	1	0	1	4	5	2	6.60555 - 5	15
3	11	0	2	0	2	7	1	1.58871 - 4	49	3	12	1	0	1	5	6	0	1.83113 - 5	15
3	11	2	0	0	3	7	0	4.81803 - 6	50	3	12	2	0	0	5	6	0	3.17333 - 5	18
3	11	0	1	1	2	7	1	1.41759 - 4	52	3	12	0	2	0	4	6	1	2.32781 - 5	18
3	11	1	1	0	2	7	1	3.61010 - 5	55	3	12	0	1	1	4	6	1	5.83836 - 6	21
3	11	0	0	2	1	6	3	1.50748 - 4	55	3	12	0	0	2	3	5	3	1.97636 - 4	24
3	11	0	0	2	2	7	1	3.32338 - 6	55	3	12	0	0	2	4	6	1	1.89144 - 5	24
3	11	1	0	1	2	7	1	6.05481 - 5	58	3	12	1	1	0	4	6	1	1.18426 - 4	24

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
3	12	1	0	1	4	6	1	8.11098 - 5	27	3	12	0	2	0	0	10	1	1.82311 - 4	114
3	12	0	2	0	4	7	0	3.04886 - 5	30	3	12	2	0	0	1	10	0	1.65079 - 6	114
3	12	2	0	0	4	6	1	2.72355 - 8	30	3	12	0	1	1	0	10	1	4.75091 - 4	117
3	12	0	1	1	3	6	2	2.04198 - 4	33	3	12	0	0	2	0	10	1	9.82664 - 6	120
3	12	0	1	1	4	7	0	6.44688 - 5	33	3	12	1	1	0	0	10	1	2.54519 - 5	120
3	12	0	0	2	3	6	2	4.94089 - 5	36	3	12	1	0	1	0	10	1	1.10550 - 5	123
3	12	1	1	0	4	7	0	1.00684 - 4	36	3	12	0	2	0	0	11	0	1.25660 - 3	126
3	12	1	0	1	3	6	2	1.89144 - 5	39	3	12	2	0	0	0	10	1	1.94326 - 7	126
3	12	1	0	1	4	7	0	2.94891 - 6	39	3	12	0	1	1	0	11	0	4.35569 - 5	129
3	12	0	2	0	3	7	1	6.44688 - 5	42	3	12	1	1	0	0	11	0	4.01391 - 5	132
3	12	2	0	0	4	7	0	1.25044 - 5	42	3	12	1	0	1	0	11	0	5.65311 - 7	135
3	12	0	1	1	3	7	1	1.76460 - 5	45	3	12	2	0	0	0	11	0	1.58994 - 7	138
3	12	0	0	2	2	6	3	1.48227 - 4	48										
3	12	0	0	2	3	7	1	8.82302 - 6	48	3	13	0	0	2	5	5	2	0.00000	0
3	12	1	1	0	3	7	1	6.44688 - 5	48	3	13	1	1	0	6	6	0	0.00000	0
3	12	1	0	1	3	7	1	7.05842 - 5	51	3	13	1	0	1	5	5	2	7.00451 - 5	3
3	12	0	2	0	3	8	0	2.66571 - 6	54	3	13	1	0	1	6	6	0	2.14135 - 5	3
3	12	2	0	0	3	7	1	7.77615 - 7	54	3	13	2	0	0	6	6	0	2.80026 - 5	6
3	12	0	1	1	2	7	2	2.39049 - 4	57	3	13	0	2	0	5	6	1	7.76361 - 6	7
3	12	0	1	1	3	8	0	6.44688 - 5	57	3	13	0	1	1	5	6	1	1.85305 - 5	10
3	12	0	0	2	2	7	2	1.05876 - 4	60	3	13	0	0	2	4	5	3	1.47970 - 4	13
3	12	1	1	0	3	8	0	1.93852 - 4	60	3	13	0	0	2	5	6	1	1.56582 - 5	13
3	12	1	0	1	2	7	2	8.27159 - 7	63	3	13	1	1	0	5	6	1	9.57904 - 5	13
3	12	1	0	1	3	8	0	2.60641 - 7	63	3	13	1	0	1	5	6	1	4.74380 - 5	16
3	12	0	2	0	2	8	1	1.26352 - 4	66	3	13	2	0	0	5	6	1	9.21589 - 7	19
3	12	2	0	0	3	8	0	1.26342 - 6	66	3	13	0	2	0	5	7	0	2.88501 - 5	20
3	12	0	1	1	2	8	1	1.41547 - 4	69	3	13	0	1	1	4	6	2	1.17117 - 4	23
3	12	0	0	2	2	8	1	8.27159 - 7	72	3	13	0	1	1	5	7	0	3.78865 - 5	23
3	12	0	0	2	1	7	3	8.47010 - 5	72	3	13	0	0	2	4	6	2	1.40924 - 5	26
3	12	1	1	0	2	8	1	1.39682 - 5	72	3	13	1	1	0	5	7	0	2.98417 - 5	26
3	12	1	0	1	2	8	1	2.98811 - 5	75	3	13	1	0	1	5	7	0	7.29649 - 6	29
3	12	0	2	0	2	9	0	3.51872 - 5	78	3	13	1	0	1	4	6	2	3.03946 - 5	29
3	12	2	0	0	2	8	1	1.07615 - 6	78	3	13	2	0	0	5	7	0	1.66874 - 5	32
3	12	0	1	1	1	8	2	2.10946 - 4	81	3	13	0	2	0	4	7	1	2.58140 - 5	33
3	12	0	1	1	2	9	0	3.58457 - 5	81	3	13	0	1	1	4	7	1	1.76481 - 9	36
3	12	0	0	2	1	8	2	1.29698 - 4	84	3	13	0	0	2	3	6	3	1.26832 - 4	39
3	12	1	1	0	2	9	0	1.85268 - 4	84	3	13	0	0	2	4	7	1	1.07744 - 5	39
3	12	1	0	1	1	8	2	2.50215 - 6	87	3	13	1	1	0	4	7	1	7.04404 - 5	39
3	12	1	0	1	2	9	0	3.27632 - 6	87	3	13	1	0	1	4	7	1	5.78168 - 5	42
3	12	0	2	0	1	9	1	1.85704 - 4	90	3	13	2	0	0	4	7	1	7.08650 - 8	45
3	12	2	0	0	2	9	0	5.82202 - 7	90	3	13	0	2	0	4	8	0	1.42427 - 5	46
3	12	0	1	1	1	9	1	3.58325 - 4	93	3	13	0	1	1	3	7	2	1.55672 - 4	49
3	12	0	0	2	0	8	3	2.91160 - 5	96	3	13	0	1	1	4	8	0	4.75523 - 5	49
3	12	0	0	2	1	9	1	1.98518 - 6	96	3	13	0	0	2	3	7	2	4.83169 - 5	52
3	12	1	1	0	1	9	1	1.36142 - 6	96	3	13	1	1	0	4	8	0	9.65593 - 5	52
3	12	1	0	1	1	9	1	9.92590 - 7	99	3	13	1	0	1	3	7	2	7.00451 - 6	55
3	12	0	2	0	1	10	0	3.24440 - 4	102	3	13	1	0	1	4	8	0	5.85181 - 7	55
3	12	2	0	0	1	9	1	2.13736 - 7	102	3	13	2	0	0	4	8	0	5.29274 - 6	58
3	12	0	1	1	1	10	0	1.71299 - 6	105	3	13	0	2	0	3	8	1	5.79109 - 5	59
3	12	0	1	1	0	9	2	1.15327 - 4	105	3	13	0	1	1	3	8	1	2.98113 - 5	62
3	12	0	0	2	0	9	2	8.73479 - 5	108	3	13	0	0	2	2	7	3	9.05941 - 5	65
3	12	1	1	0	1	10	0	5.50347 - 5	108	3	13	0	0	2	3	8	1	4.05996 - 6	65
3	12	1	0	1	0	9	2	6.14165 - 6	111	3	13	1	1	0	3	8	1	3.32246 - 5	65
3	12	1	0	1	1	10	0	2.51947 - 6	111	3	13	1	0	1	3	8	1	4.22002 - 5	68

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
3	13	2	0	0	3	8	1	7.12915 - 7	71	3	14	1	0	1	6	6	1	2.43850 - 5	3
3	13	0	2	0	3	9	0	2.46191 - 9	72	3	14	2	0	0	6	6	1	2.43254 - 6	6
3	13	0	1	1	2	8	2	1.67277 - 4	75	3	14	0	2	0	6	7	0	2.19343 - 5	8
3	13	0	1	1	3	9	0	4.17412 - 5	75	3	14	0	1	1	5	6	2	6.66979 - 5	11
3	13	0	0	2	2	8	2	8.15347 - 5	78	3	14	0	1	1	6	7	0	2.12880 - 5	11
3	13	1	1	0	3	9	0	1.43809 - 4	78	3	14	1	1	0	6	7	0	4.88567 - 6	14
3	13	1	0	1	2	8	2	2.68030 - 8	81	3	14	0	0	2	5	6	2	2.26246 - 6	14
3	13	1	0	1	3	9	0	6.28290 - 7	81	3	14	1	0	1	6	7	0	1.03296 - 5	17
3	13	2	0	0	3	9	0	2.38131 - 7	84	3	14	1	0	1	5	6	2	3.64779 - 5	17
3	13	0	2	0	2	9	1	9.99071 - 5	85	3	14	2	0	0	6	7	0	1.70683 - 5	20
3	13	0	1	1	2	9	1	1.30502 - 4	88	3	14	0	2	0	5	7	1	1.01992 - 5	22
3	13	1	1	0	2	9	1	5.07138 - 6	91	3	14	0	1	1	5	7	1	5.06334 - 6	25
3	13	0	0	2	1	8	3	4.98268 - 5	91	3	14	1	1	0	5	7	1	6.35545 - 5	28
3	13	0	0	2	2	9	1	1.11845 - 7	91	3	14	0	0	2	4	6	3	1.01811 - 4	28
3	13	1	0	1	2	9	1	1.48720 - 5	94	3	14	0	0	2	5	7	1	1.01593 - 5	28
3	13	2	0	0	2	9	1	6.55071 - 7	97	3	14	1	0	1	5	7	1	3.98061 - 5	31
3	13	0	2	0	2	10	0	4.42093 - 5	98	3	14	2	0	0	5	7	1	1.04626 - 7	34
3	13	0	1	1	1	9	2	1.38637 - 4	101	3	14	0	2	0	5	8	0	1.78152 - 5	36
3	13	0	1	1	2	10	0	1.99042 - 5	101	3	14	0	1	1	4	7	2	9.73174 - 5	39
3	13	0	0	2	1	9	2	8.85809 - 5	104	3	14	0	1	1	5	8	0	3.12403 - 5	39
3	13	1	1	0	2	10	0	1.17950 - 4	104	3	14	1	1	0	5	8	0	3.91736 - 5	42
3	13	1	0	1	2	10	0	2.50615 - 6	107	3	14	0	0	2	4	7	2	1.86999 - 5	42
3	13	1	0	1	1	9	2	2.35866 - 6	107	3	14	1	0	1	5	8	0	2.73140 - 6	45
3	13	2	0	0	2	10	0	6.45252 - 7	110	3	14	1	0	1	4	7	2	1.40581 - 5	45
3	13	0	2	0	1	10	1	1.34552 - 4	111	3	14	2	0	0	5	8	0	8.62533 - 6	48
3	13	0	1	1	1	10	1	2.72654 - 4	114	3	14	0	2	0	4	8	1	2.60701 - 5	50
3	13	1	1	0	1	10	1	2.27469 - 6	117	3	14	0	1	1	4	8	1	2.40788 - 6	53
3	13	0	0	2	0	9	3	1.66089 - 5	117	3	14	1	1	0	4	8	1	4.18690 - 5	56
3	13	0	0	2	1	10	1	2.05048 - 6	117	3	14	0	0	2	3	7	3	8.31109 - 5	56
3	13	1	0	1	1	10	1	9.70643 - 8	120	3	14	0	0	2	4	8	1	6.06137 - 6	56
3	13	2	0	0	1	10	1	8.79466 - 8	123	3	14	1	0	1	4	8	1	3.97975 - 5	59
3	13	0	2	0	1	11	0	2.74689 - 4	124	3	14	2	0	0	4	8	1	2.04446 - 7	62
3	13	0	1	1	1	11	0	2.59328 - 7	127	3	14	0	2	0	4	9	0	5.62351 - 6	64
3	13	0	1	1	0	10	2	7.22341 - 5	127	3	14	0	1	1	3	8	2	1.18077 - 4	67
3	13	0	0	2	0	10	2	5.53631 - 5	130	3	14	0	1	1	4	9	0	3.45393 - 5	67
3	13	1	1	0	1	11	0	2.84376 - 5	130	3	14	1	1	0	4	9	0	8.44721 - 5	70
3	13	1	0	1	1	11	0	1.48293 - 6	133	3	14	0	0	2	3	8	2	4.32869 - 5	70
3	13	1	0	1	0	10	2	4.09490 - 6	133	3	14	1	0	1	4	9	0	3.73434 - 8	73
3	13	2	0	0	1	11	0	1.04789 - 6	136	3	14	1	0	1	3	8	2	2.43931 - 6	73
3	13	0	2	0	0	11	1	1.23865 - 4	137	3	14	2	0	0	4	9	0	2.16717 - 6	76
3	13	0	1	1	0	11	1	3.26255 - 4	140	3	14	0	2	0	3	9	1	5.04767 - 5	78
3	13	0	0	2	0	11	1	6.99029 - 6	143	3	14	0	1	1	3	9	1	3.70849 - 5	81
3	13	1	1	0	0	11	1	1.83748 - 5	143	3	14	1	1	0	3	9	1	1.71314 - 5	84
3	13	1	0	1	0	11	1	8.27253 - 6	146	3	14	0	0	2	2	8	3	5.71387 - 5	84
3	13	2	0	0	0	11	1	1.52968 - 7	149	3	14	0	0	2	3	9	1	1.79667 - 6	84
3	13	0	2	0	0	12	0	9.22540 - 4	150	3	14	1	0	1	3	9	1	2.52642 - 5	87
3	13	0	1	1	0	12	0	3.34585 - 5	153	3	14	2	0	0	3	9	1	5.70871 - 7	90
3	13	1	1	0	0	12	0	3.23803 - 5	156	3	14	0	2	0	3	10	0	1.53021 - 6	92
3	13	1	0	1	0	12	0	4.78734 - 7	159	3	14	0	1	1	2	9	2	1.18787 - 4	95
3	13	2	0	0	0	12	0	1.41637 - 7	162	3	14	0	1	1	3	10	0	2.71843 - 5	95
										3	14	1	1	0	3	10	0	1.05308 - 4	98
3	14	1	1	0	6	6	1	7.20619 - 5	0	3	14	0	0	2	2	9	2	6.22177 - 5	98
3	14	0	0	2	5	5	3	1.08598 - 4	0	3	14	1	0	1	3	10	0	8.12185 - 7	101
3	14	0	0	2	6	6	1	1.18164 - 5	0	3	14	1	0	1	2	9	2	6.55929 - 8	101

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
3	14	2	0	0	3	10	0	1.19412 - 8	104	3	15	2	0	0	6	7	1	6.65620 - 7	21
3	14	0	2	0	2	10	1	7.90364 - 5	106	3	15	0	2	0	6	8	0	1.58973 - 5	24
3	14	0	1	1	2	10	1	1.15382 - 4	109	3	15	0	1	1	6	8	0	1.94058 - 5	27
3	14	1	1	0	2	10	1	1.60045 - 6	112	3	15	0	1	1	5	7	2	5.98832 - 5	27
3	14	0	0	2	1	9	3	3.04740 - 5	112	3	15	1	1	0	6	8	0	1.21713 - 5	30
3	14	0	0	2	2	10	1	8.81766 -10	112	3	15	0	0	2	5	7	2	5.66003 - 6	30
3	14	1	0	1	2	10	1	7.40191 - 6	115	3	15	1	0	1	5	7	2	1.91309 - 5	33
3	14	2	0	0	2	10	1	3.95645 - 7	118	3	15	1	0	1	6	8	0	4.85146 - 6	33
3	14	0	2	0	2	11	0	4.86730 - 5	120	3	15	2	0	0	6	8	0	1.00949 - 5	36
3	14	0	1	1	1	10	2	9.36380 - 5	123	3	15	0	2	0	5	8	1	1.16150 - 5	39
3	14	0	1	1	2	11	0	1.11334 - 5	123	3	15	0	1	1	5	8	1	5.17489 - 7	42
3	14	1	1	0	2	11	0	7.61742 - 5	126	3	15	0	0	2	5	8	1	6.46861 - 6	45
3	14	0	0	2	1	10	2	6.17098 - 5	126	3	15	1	1	0	5	8	1	4.17329 - 5	45
3	14	1	0	1	2	11	0	1.87007 - 6	129	3	15	0	0	2	4	7	3	7.07504 - 5	45
3	14	1	0	1	1	10	2	2.05282 - 6	129	3	15	1	0	1	5	8	1	3.10817 - 5	48
3	14	2	0	0	2	11	0	6.07608 - 7	132	3	15	2	0	0	5	8	1	6.46860 -10	51
3	14	0	2	0	1	11	1	9.92784 - 5	134	3	15	0	2	0	5	9	0	1.02273 - 5	54
3	14	0	1	1	1	11	1	2.09189 - 4	137	3	15	0	1	1	5	9	0	2.49257 - 5	57
3	14	1	1	0	1	11	1	2.74261 - 6	140	3	15	0	1	1	4	8	2	7.92405 - 5	57
3	14	0	0	2	0	10	3	9.90405 - 6	140	3	15	1	1	0	5	9	0	4.17100 - 5	60
3	14	0	0	2	1	11	1	1.93989 - 6	140	3	15	0	0	2	4	8	2	2.02144 - 5	60
3	14	1	0	1	1	11	1	1.26687 - 8	143	3	15	1	0	1	4	8	2	6.46861 - 6	63
3	14	2	0	0	1	11	1	3.37433 - 8	146	3	15	1	0	1	5	9	0	9.10996 - 7	63
3	14	0	2	0	1	12	0	2.31634 - 4	148	3	15	2	0	0	5	9	0	4.39909 - 6	66
3	14	0	1	1	0	11	2	4.68989 - 5	151	3	15	0	2	0	4	9	1	2.49257 - 5	69
3	14	0	1	1	1	12	0	3.13640 -10	151	3	15	0	1	1	4	9	1	6.73814 - 6	72
3	14	1	1	0	1	12	0	1.47762 - 5	154	3	15	1	1	0	4	9	1	2.49257 - 5	75
3	14	0	0	2	0	11	2	3.63148 - 5	154	3	15	0	0	2	3	8	3	5.55896 - 5	75
3	14	1	0	1	0	11	2	2.80236 - 6	157	3	15	0	0	2	4	9	1	3.36907 - 6	75
3	14	1	0	1	1	12	0	8.88239 - 7	157	3	15	1	0	1	4	9	1	2.69525 - 5	78
3	14	2	0	0	1	12	0	6.75672 - 7	160	3	15	2	0	0	4	9	1	2.64135 - 7	81
3	14	0	2	0	0	12	1	8.66785 - 5	162	3	15	0	2	0	4	10	0	1.60465 - 6	84
3	14	0	1	1	0	12	1	2.30437 - 4	165	3	15	0	1	1	3	9	2	8.96846 - 5	87
3	14	1	1	0	0	12	1	1.35352 - 5	168	3	15	0	1	1	4	10	0	2.49257 - 5	87
3	14	0	0	2	0	12	1	5.08576 - 6	168	3	15	1	1	0	4	10	0	7.03854 - 5	90
3	14	1	0	1	0	12	1	6.27935 - 6	171	3	15	0	0	2	3	9	2	3.70597 - 5	90
3	14	2	0	0	0	12	1	1.21142 - 7	174	3	15	1	0	1	3	9	2	7.41195 - 7	93
3	14	0	2	0	0	13	0	6.93691 - 4	176	3	15	1	0	1	4	10	0	2.15620 - 8	93
3	14	0	1	1	0	13	0	2.61374 - 5	179	3	15	2	0	0	4	10	0	8.34882 - 7	96
3	14	1	1	0	0	13	0	2.63559 - 5	182	3	15	0	2	0	3	10	1	4.32633 - 5	99
3	14	1	0	1	0	13	0	4.05877 - 7	185	3	15	0	1	1	3	10	1	4.00838 - 5	102
3	14	2	0	0	0	13	0	1.25283 - 7	188	3	15	1	1	0	3	10	1	8.77100 - 6	105
										3	15	0	0	2	2	9	3	3.70597 - 5	105
3	15	1	1	0	7	7	0	0.00000	0	3	15	0	0	2	3	10	1	7.41195 - 7	105
3	15	0	0	2	6	6	2	0.00000	0	3	15	1	0	1	3	10	1	1.51797 - 5	108
3	15	1	0	1	6	6	2	3.80354 - 5	3	3	15	2	0	0	3	10	1	4.28114 - 7	111
3	15	1	0	1	7	7	0	1.16556 - 5	3	3	15	0	2	0	3	11	0	4.26939 - 6	114
3	15	2	0	0	7	7	0	1.51608 - 5	6	3	15	0	1	1	3	11	0	1.78224 - 5	117
3	15	0	2	0	6	7	1	3.92580 - 6	9	3	15	0	1	1	2	10	2	8.56228 - 5	117
3	15	0	1	1	6	7	1	1.08673 - 5	12	3	15	1	1	0	3	11	0	7.67971 - 5	120
3	15	1	1	0	6	7	1	5.22172 - 5	15	3	15	0	0	2	2	10	2	4.74365 - 5	120
3	15	0	0	2	5	6	3	7.92405 - 5	15	3	15	1	0	1	3	11	0	8.42267 - 7	123
3	15	0	0	2	6	7	1	8.49005 - 6	15	3	15	1	0	1	2	10	2	2.37182 - 7	123
3	15	1	0	1	6	7	1	2.44513 - 5	18	3	15	2	0	0	3	11	0	1.30450 - 8	126

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
3	15	0	2	0	2	11	1	6.27637 - 5	129	3	16	2	0	0	7	8	0	9.98927 - 6	22
3	15	0	1	1	2	11	1	9.97028 - 5	132	3	16	0	2	0	6	8	1	5.10432 - 6	26
3	15	0	0	2	1	10	3	1.92711 - 5	135	3	16	0	1	1	6	8	1	3.89498 - 6	29
3	15	1	1	0	2	11	1	3.62673 - 7	135	3	16	1	1	0	6	8	1	3.70912 - 5	32
3	15	0	0	2	2	11	1	6.73813 - 8	135	3	16	0	0	2	6	8	1	5.93144 - 6	32
3	15	1	0	1	2	11	1	3.64398 - 6	138	3	16	0	0	2	5	7	3	5.79028 - 5	32
3	15	2	0	0	2	11	1	2.38153 - 7	141	3	16	1	0	1	6	8	1	2.16639 - 5	35
3	15	0	2	0	2	12	0	4.98514 - 5	144	3	16	2	0	0	6	8	1	1.32213 - 7	38
3	15	0	1	1	1	11	2	6.47858 - 5	147	3	16	0	2	0	6	9	0	1.08622 - 5	42
3	15	0	1	1	2	12	0	6.23143 - 6	147	3	16	0	1	1	5	8	2	5.19730 - 5	45
3	15	1	1	0	2	12	0	4.98514 - 5	150	3	16	0	1	1	6	9	0	1.68199 - 5	45
3	15	0	0	2	1	11	2	4.37979 - 5	150	3	16	1	1	0	6	9	0	1.73567 - 5	48
3	15	1	0	1	1	11	2	1.71688 - 6	153	3	16	0	0	2	5	8	2	8.14259 - 6	48
3	15	1	0	1	2	12	0	1.37997 - 6	153	3	16	1	0	1	5	8	2	1.00727 - 5	51
3	15	2	0	0	2	12	0	5.28270 - 7	156	3	16	1	0	1	6	9	0	2.19392 - 6	51
3	15	0	2	0	1	12	1	7.44746 - 5	159	3	16	2	0	0	6	9	0	5.87045 - 6	54
3	15	0	1	1	1	12	1	1.62017 - 4	162	3	16	0	2	0	5	9	1	1.21754 - 5	58
3	15	1	1	0	1	12	1	2.87034 - 6	165	3	16	0	1	1	5	9	1	1.59178 - 7	61
3	15	0	0	2	0	11	3	6.13170 - 6	165	3	16	1	1	0	5	9	1	2.72950 - 5	64
3	15	0	0	2	1	12	1	1.75192 - 6	165	3	16	0	0	2	5	9	1	4.06930 - 6	64
3	15	1	0	1	1	12	1	1.40153 - 7	168	3	16	0	0	2	4	8	3	4.97603 - 5	64
3	15	2	0	0	1	12	1	1.12123 - 8	171	3	16	1	0	1	5	9	1	2.33633 - 5	67
3	15	0	2	0	1	13	0	1.95321 - 4	174	3	16	2	0	0	5	9	1	4.43653 - 8	70
3	15	0	1	1	1	13	0	1.34763 - 7	177	3	16	0	2	0	5	10	0	5.39167 - 6	74
3	15	0	1	1	0	12	2	3.13943 - 5	177	3	16	0	1	1	4	9	2	6.38853 - 5	77
3	15	1	1	0	1	13	0	7.62822 - 6	180	3	16	0	1	1	5	10	0	1.95187 - 5	77
3	15	0	0	2	0	12	2	2.45268 - 5	180	3	16	1	1	0	5	10	0	4.00022 - 5	80
3	15	1	0	1	0	12	2	1.96214 - 6	183	3	16	0	0	2	4	9	2	1.97461 - 5	80
3	15	1	0	1	1	13	0	5.39051 - 7	183	3	16	1	0	1	4	9	2	2.91911 - 6	83
3	15	2	0	0	1	13	0	4.41590 - 7	186	3	16	1	0	1	5	10	0	2.39004 - 7	83
3	15	0	2	0	0	13	1	6.21985 - 5	189	3	16	2	0	0	5	10	0	2.20829 - 6	86
3	15	0	1	1	0	13	1	1.66707 - 4	192	3	16	0	2	0	4	10	1	2.30406 - 5	90
3	15	1	1	0	0	13	1	1.01488 - 5	195	3	16	0	1	1	4	10	1	1.06082 - 5	93
3	15	0	0	2	0	13	1	3.77336 - 6	195	3	16	1	1	0	4	10	1	1.48586 - 5	96
3	15	1	0	1	0	13	1	4.82990 - 6	198	3	16	0	0	2	4	10	1	1.84334 - 6	96
3	15	2	0	0	0	13	1	9.65979 - 8	201	3	16	0	0	2	3	9	3	3.79126 - 5	96
3	15	0	2	0	0	14	0	5.32289 - 4	204	3	16	1	0	1	4	10	1	1.81274 - 5	99
3	15	0	1	1	0	14	0	2.07211 - 5	207	3	16	2	0	0	4	10	1	2.63784 - 7	102
3	15	1	1	0	0	14	0	2.16379 - 5	210	3	16	0	2	0	4	11	0	1.65184 - 7	106
3	15	1	0	1	0	14	0	3.44993 - 7	213	3	16	0	1	1	3	10	2	6.84453 - 5	109
3	15	2	0	0	0	14	0	1.10398 - 7	216	3	16	0	1	1	4	11	0	1.79583 - 5	109
										3	16	0	0	2	3	10	2	3.09619 - 5	112
3	16	1	1	0	7	7	1	4.07801 - 5	0	3	16	1	1	0	4	11	0	5.70791 - 5	112
3	16	0	0	2	7	7	1	6.64853 - 6	0	3	16	1	0	1	3	10	2	1.63214 - 7	115
3	16	0	0	2	6	6	3	6.07980 - 5	0	3	16	1	0	1	4	11	0	1.18419 - 7	115
3	16	1	0	1	7	7	1	1.36181 - 5	3	3	16	2	0	0	4	11	0	2.86898 - 7	118
3	16	2	0	0	7	7	1	1.43531 - 6	6	3	16	0	2	0	3	11	1	3.67459 - 5	122
3	16	0	2	0	7	8	0	1.23441 - 5	10	3	16	0	1	1	3	11	1	4.01309 - 5	125
3	16	0	1	1	6	7	2	3.66798 - 5	13	3	16	0	0	2	3	11	1	2.68388 - 7	128
3	16	0	1	1	7	8	0	1.16870 - 5	13	3	16	1	1	0	3	11	1	4.41192 - 6	128
3	16	1	1	0	7	8	0	2.10423 - 6	16	3	16	0	0	2	2	10	3	2.46432 - 5	128
3	16	0	0	2	6	7	2	9.65047 - 7	16	3	16	1	0	1	3	11	1	9.15267 - 6	131
3	16	1	0	1	6	7	2	2.17819 - 5	19	3	16	2	0	0	3	11	1	3.10074 - 7	134
3	16	1	0	1	7	8	0	6.25764 - 6	19	3	16	0	2	0	3	12	0	6.95155 - 6	138

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X
3	16	0	1	1	2	11	2	6.26198 - 5	141	3	17	0	2	0	7	8	1	2.18942 - 6	11
3	16	0	1	1	3	12	0	1.17588 - 5	141	3	17	0	1	1	7	8	1	6.79901 - 6	14
3	16	1	1	0	3	12	0	5.60380 - 5	144	3	17	0	0	2	6	7	3	4.64017 - 5	17
3	16	0	0	2	2	11	2	3.62927 - 5	144	3	17	0	0	2	7	8	1	5.01253 - 6	17
3	16	1	0	1	3	12	0	7.85952 - 7	147	3	17	1	1	0	7	8	1	3.09393 - 5	17
3	16	1	0	1	2	11	2	3.67766 - 7	147	3	17	1	0	1	7	8	1	1.38755 - 5	20
3	16	2	0	0	3	12	0	5.88852 - 8	150	3	17	2	0	0	7	8	1	4.75380 - 7	23
3	16	0	2	0	2	12	1	5.01173 - 5	154	3	17	0	2	0	7	9	0	9.46274 - 6	28
3	16	0	1	1	2	12	1	8.50872 - 5	157	3	17	0	1	1	6	8	2	3.37577 - 5	31
3	16	1	1	0	2	12	1	2.37925 - 8	160	3	17	0	1	1	7	9	0	1.09368 - 5	31
3	16	0	0	2	1	11	3	1.25456 - 5	160	3	17	1	1	0	7	9	0	5.60014 - 6	34
3	16	0	0	2	2	12	1	1.62058 - 7	160	3	17	0	0	2	6	8	2	2.57787 - 6	34
3	16	1	0	1	2	12	1	1.74828 - 6	163	3	17	1	0	1	6	8	2	1.25281 - 5	37
3	16	2	0	0	2	12	1	1.42992 - 7	166	3	17	1	0	1	7	9	0	3.29244 - 6	37
3	16	0	2	0	2	13	0	4.88975 - 5	170	3	17	2	0	0	7	9	0	6.41111 - 6	40
3	16	0	1	1	1	12	2	4.57904 - 5	173	3	17	0	2	0	6	9	1	5.89192 - 6	45
3	16	0	1	1	2	13	0	3.46288 - 6	173	3	17	0	1	1	6	9	1	8.72286 - 7	48
3	16	1	1	0	2	13	0	3.30142 - 5	176	3	17	0	0	2	6	9	1	4.07368 - 6	51
3	16	0	0	2	1	12	2	3.16254 - 5	176	3	17	1	1	0	6	9	1	2.60720 - 5	51
3	16	1	0	1	1	12	2	1.40702 - 6	179	3	17	0	0	2	5	8	3	4.25349 - 5	51
3	16	1	0	1	2	13	0	1.01426 - 6	179	3	17	1	0	1	6	9	1	1.79739 - 5	54
3	16	2	0	0	2	13	0	4.39822 - 7	182	3	17	2	0	0	6	9	1	8.08509 - 9	57
3	16	0	2	0	1	13	1	5.67139 - 5	186	3	17	0	2	0	6	10	0	7.04256 - 6	62
3	16	0	1	1	1	13	1	1.26710 - 4	189	3	17	0	1	1	5	9	2	4.42193 - 5	65
3	16	1	1	0	1	13	1	2.78994 - 6	192	3	17	0	1	1	6	10	0	1.41367 - 5	65
3	16	0	0	2	0	12	3	3.92051 - 6	192	3	17	1	1	0	6	10	0	1.99053 - 5	68
3	16	0	0	2	1	13	1	1.54158 - 6	192	3	17	0	0	2	5	9	2	9.45220 - 6	68
3	16	1	0	1	1	13	1	2.84131 - 7	195	3	17	1	0	1	5	9	2	5.29847 - 6	71
3	16	2	0	0	1	13	1	2.68233 - 9	198	3	17	1	0	1	6	10	0	9.34359 - 7	71
3	16	0	2	0	1	14	0	1.65059 - 4	202	3	17	2	0	0	6	10	0	3.37418 - 6	74
3	16	0	1	1	0	13	2	2.15762 - 5	205	3	17	0	2	0	5	10	1	1.21171 - 5	79
3	16	0	1	1	1	14	0	3.57887 - 7	205	3	17	0	1	1	5	10	1	1.44573 - 6	82
3	16	1	1	0	1	14	0	3.85565 - 6	208	3	17	0	0	2	5	10	1	2.53559 - 6	85
3	16	0	0	2	0	13	2	1.69889 - 5	208	3	17	1	1	0	5	10	1	1.78346 - 5	85
3	16	1	0	1	0	13	2	1.40191 - 6	211	3	17	0	0	2	4	9	3	3.54458 - 5	85
3	16	1	0	1	1	14	0	3.30090 - 7	211	3	17	1	0	1	5	10	1	1.71994 - 5	88
3	16	2	0	0	1	14	0	2.91930 - 7	214	3	17	2	0	0	5	10	1	9.10661 - 8	91
3	16	0	2	0	0	14	1	4.56092 - 5	218	3	17	0	2	0	5	11	0	2.52022 - 6	96
3	16	0	1	1	0	14	1	1.23125 - 4	221	3	17	0	1	1	4	10	2	5.13061 - 5	99
3	16	1	1	0	0	14	1	7.73073 - 6	224	3	17	0	1	1	5	11	0	1.51248 - 5	99
3	16	0	0	2	0	14	1	2.84833 - 6	224	3	17	0	0	2	4	10	2	1.82292 - 5	102
3	16	1	0	1	0	14	1	3.76068 - 6	227	3	17	1	1	0	5	11	0	3.61660 - 5	102
3	16	2	0	0	0	14	1	7.75825 - 8	230	3	17	1	0	1	5	11	0	3.20203 - 8	105
3	16	0	2	0	0	15	0	4.15619 - 4	234	3	17	1	0	1	4	10	2	1.26504 - 6	105
3	16	0	1	1	0	15	0	1.66425 - 5	237	3	17	2	0	0	5	11	0	1.08299 - 6	108
3	16	1	1	0	0	15	0	1.79105 - 5	240	3	17	0	2	0	4	11	1	2.08471 - 5	113
3	16	1	0	1	0	15	0	2.94239 - 7	243	3	17	0	1	1	4	11	1	1.33447 - 5	116
3	16	2	0	0	0	15	0	9.71218 - 8	246	3	17	0	0	2	4	11	1	9.85457 - 7	119
										3	17	1	1	0	4	11	1	8.85347 - 6	119
3	17	0	0	2	7	7	2	0.00000	0	3	17	0	0	2	3	10	3	2.63311 - 5	119
3	17	1	1	0	8	8	0	0.00000	0	3	17	1	0	1	4	11	1	1.21652 - 5	122
3	17	1	0	1	7	7	2	2.24783 - 5	3	3	17	2	0	0	4	11	1	2.33792 - 7	125
3	17	1	0	1	8	8	0	6.89927 - 6	3	3	17	0	2	0	4	12	0	6.67351 - 8	130
3	17	2	0	0	8	8	0	8.94211 - 6	6	3	17	0	1	1	3	11	2	5.25795 - 5	133

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X
3	17	0	1	1	4	12	0	1.29507 - 5	133	3	17	1	1	0	0	15	1	5.97256 - 6	255
3	17	1	1	0	4	12	0	4.55885 - 5	136	3	17	1	0	1	0	15	1	2.96134 - 6	258
3	17	0	0	2	3	11	2	2.55332 - 5	136	3	17	2	0	0	0	15	1	6.27621 - 8	261
3	17	1	0	1	3	11	2	1.10438 - 8	139	3	17	0	2	0	0	16	0	3.29478 - 4	266
3	17	1	0	1	4	12	0	2.04830 - 7	139	3	17	0	1	1	0	16	0	1.35226 - 5	269
3	17	2	0	0	4	12	0	7.78556 - 8	142	3	17	1	1	0	0	16	0	1.49399 - 5	272
3	17	0	2	0	3	12	1	3.10746 - 5	147	3	17	1	0	1	0	16	0	2.51920 - 7	275
3	17	0	1	1	3	12	1	3.83853 - 5	150	3	17	2	0	0	0	16	0	8.54261 - 8	278
3	17	0	0	2	3	12	1	7.38808 - 8	153										
3	17	1	1	0	3	12	1	2.14719 - 6	153	3	18	1	1	0	8	8	1	2.48576 - 5	0
3	17	0	0	2	2	11	3	1.67562 - 5	153	3	18	0	0	2	8	8	1	4.03365 - 6	0
3	17	1	0	1	3	12	1	5.53007 - 6	156	3	18	0	0	2	7	7	3	3.67883 - 5	0
3	17	2	0	0	3	12	1	2.20261 - 7	159	3	18	1	0	1	8	8	1	8.22635 - 6	3
3	17	0	2	0	3	13	0	9.11716 - 6	164	3	18	2	0	0	8	8	1	8.99649 - 7	6
3	17	0	1	1	3	13	0	7.79994 - 6	167	3	18	0	2	0	8	9	0	7.48944 - 6	12
3	17	0	1	1	2	12	2	4.64322 - 5	167	3	18	0	1	1	7	8	2	2.18574 - 5	15
3	17	1	1	0	3	13	0	4.10173 - 5	170	3	18	0	1	1	8	9	0	6.95163 - 6	15
3	17	0	0	2	2	12	2	2.79270 - 5	170	3	18	1	1	0	8	9	0	1.00934 - 6	18
3	17	1	0	1	2	12	2	4.34849 - 7	173	3	18	0	0	2	7	8	2	4.59854 - 7	18
3	17	1	0	1	3	13	0	6.92220 - 7	173	3	18	1	0	1	8	9	0	4.00882 - 6	21
3	17	2	0	0	3	13	0	9.75491 - 8	176	3	18	1	0	1	7	8	2	1.38100 - 5	21
3	17	0	2	0	2	13	1	4.02746 - 5	181	3	18	2	0	0	8	9	0	6.23388 - 6	24
3	17	0	1	1	2	13	1	7.21544 - 5	184	3	18	0	2	0	7	9	1	2.81320 - 6	30
3	17	0	0	2	2	13	1	2.38692 - 7	187	3	18	0	1	1	7	9	1	2.90673 - 6	33
3	17	1	1	0	2	13	1	2.21313 - 8	187	3	18	0	0	2	6	8	3	3.54087 - 5	36
3	17	0	0	2	1	12	3	8.37809 - 6	187	3	18	1	1	0	7	9	1	2.30801 - 5	36
3	17	1	0	1	2	13	1	7.99494 - 7	190	3	18	0	0	2	7	9	1	3.69160 - 6	36
3	17	2	0	0	2	13	1	8.55331 - 8	193	3	18	1	0	1	7	9	1	1.27425 - 5	39
3	17	0	2	0	2	14	0	4.66704 - 5	198	3	18	2	0	0	7	9	1	1.28654 - 7	42
3	17	0	1	1	1	13	2	3.29861 - 5	201	3	18	0	2	0	7	10	0	6.92325 - 6	48
3	17	0	1	1	2	14	0	1.89204 - 6	201	3	18	0	1	1	6	9	2	3.01766 - 5	51
3	17	0	0	2	1	13	2	2.32009 - 5	204	3	18	0	1	1	7	10	0	9.80317 - 6	51
3	17	1	1	0	2	14	0	2.20905 - 5	204	3	18	1	1	0	7	10	0	8.48491 - 6	54
3	17	1	0	1	1	13	2	1.14176 - 6	207	3	18	0	0	2	6	9	2	3.93430 - 6	54
3	17	1	0	1	2	14	0	7.45381 - 7	207	3	18	1	0	1	6	9	2	7.22655 - 6	57
3	17	2	0	0	2	14	0	3.57248 - 7	210	3	18	1	0	1	7	10	0	1.68821 - 6	57
3	17	0	2	0	1	14	1	4.37826 - 5	215	3	18	2	0	0	7	10	0	4.05041 - 6	60
3	17	0	1	1	1	14	1	1.00052 - 4	218	3	18	0	2	0	6	10	1	6.32061 - 6	66
3	17	0	0	2	1	14	1	1.33668 - 6	221	3	18	0	1	1	6	10	1	1.70760 - 8	69
3	17	1	1	0	1	14	1	2.59920 - 6	221	3	18	1	1	0	6	10	1	1.82304 - 5	72
3	17	0	0	2	0	13	3	2.57787 - 6	221	3	18	0	0	2	6	10	1	2.76631 - 6	72
3	17	1	0	1	1	14	1	3.90827 - 7	224	3	18	0	0	2	5	9	3	3.14744 - 5	72
3	17	2	0	0	1	14	1	1.96050 -10	227	3	18	1	0	1	6	10	1	1.43609 - 5	75
3	17	0	2	0	1	15	0	1.39957 - 4	232	3	18	2	0	0	6	10	1	5.35106 - 9	78
3	17	0	1	1	0	14	2	1.51729 - 5	235	3	18	0	2	0	6	11	0	4.32330 - 6	84
3	17	0	1	1	1	15	0	5.61325 - 7	235	3	18	0	1	1	5	10	2	3.71914 - 5	87
3	17	1	1	0	1	15	0	1.86948 - 6	238	3	18	0	1	1	6	11	0	1.16550 - 5	87
3	17	0	0	2	0	14	2	1.20301 - 5	238	3	18	1	1	0	6	11	0	2.04110 - 5	90
3	17	1	0	1	0	14	2	1.01985 - 6	241	3	18	0	0	2	5	10	2	9.83576 - 6	90
3	17	1	0	1	1	15	0	2.03131 - 7	241	3	18	1	0	1	5	10	2	2.76631 - 6	93
3	17	2	0	0	1	15	0	1.94833 - 7	244	3	18	1	0	1	6	11	0	3.59274 - 7	93
3	17	0	2	0	0	15	1	3.40823 - 5	249	3	18	2	0	0	6	11	0	1.91863 - 6	96
3	17	0	1	1	0	15	1	9.25972 - 5	252	3	18	0	2	0	5	11	1	1.16550 - 5	102
3	17	0	0	2	0	15	1	2.18324 - 6	255	3	18	0	1	1	5	11	1	3.12956 - 6	105

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
3	18	1	1	0	5	11	1	1.16550 - 5	108	3	18	1	0	1	2	15	0	5.48884 - 7	237
3	18	0	0	2	5	11	1	1.56478 - 6	108	3	18	1	0	1	1	14	2	9.22900 - 7	237
3	18	0	0	2	4	10	3	2.55730 - 5	108	3	18	2	0	0	2	15	0	2.86055 - 7	240
3	18	1	0	1	5	11	1	1.25182 - 5	111	3	18	2	0	0	2	15	0	2.86055 - 7	240
3	18	2	0	0	5	11	1	1.14778 - 7	114	3	18	0	2	0	1	15	1	3.42225 - 5	246
3	18	0	2	0	5	12	0	9.59886 - 7	120	3	18	0	1	1	1	15	1	7.97363 - 5	249
3	18	0	1	1	4	11	2	4.11928 - 5	123	3	18	1	1	0	1	15	1	2.36033 - 6	252
3	18	0	1	1	5	12	0	1.16550 - 5	123	3	18	0	0	2	1	15	1	1.14963 - 6	252
3	18	1	1	0	5	12	0	3.15548 - 5	126	3	18	0	0	2	0	14	3	1.73722 - 6	252
3	18	0	0	2	4	11	2	1.62737 - 5	126	3	18	1	0	1	1	15	1	4.54176 - 7	255
3	18	1	0	1	4	11	2	5.08553 - 7	129	3	18	2	0	0	1	15	1	1.54004 -10	258
3	18	1	0	1	5	12	0	6.79158 -10	129	3	18	0	2	0	1	16	0	1.19154 - 4	264
3	18	2	0	0	5	12	0	5.12094 - 7	132	3	18	0	1	1	1	16	0	7.14211 - 7	267
3	18	0	2	0	4	12	1	1.86058 - 5	138	3	18	0	1	1	0	15	2	1.08878 - 5	267
3	18	0	1	1	4	12	1	1.49458 - 5	141	3	18	0	0	2	0	15	2	8.68612 - 6	270
3	18	1	1	0	4	12	1	5.25743 - 6	144	3	18	1	1	0	1	16	0	8.41686 - 7	270
3	18	0	0	2	4	12	1	5.08553 - 7	144	3	18	1	0	1	0	15	2	7.54004 - 7	273
3	18	0	0	2	3	11	3	1.85985 - 5	144	3	18	1	0	1	1	16	0	1.25090 - 7	273
3	18	1	0	1	4	12	1	8.16510 - 6	147	3	18	2	0	0	1	16	0	1.31024 - 7	276
3	18	2	0	0	4	12	1	1.94264 - 7	150	3	18	0	2	0	0	16	1	2.58959 - 5	282
3	18	0	2	0	4	13	0	5.90490 - 7	156	3	18	0	1	1	0	16	1	7.07595 - 5	285
3	18	0	1	1	3	12	2	4.06923 - 5	159	3	18	1	1	0	0	16	1	4.67333 - 6	288
3	18	0	1	1	4	13	0	9.36067 - 6	159	3	18	0	0	2	0	16	1	1.69651 - 6	288
3	18	1	1	0	4	13	0	3.61112 - 5	162	3	18	1	0	1	0	16	1	2.35626 - 6	291
3	18	0	0	2	3	12	2	2.09233 - 5	162	3	18	2	0	0	0	16	1	5.11341 - 8	294
3	18	1	0	1	3	12	2	8.07227 - 9	165	3	18	0	2	0	0	17	0	2.64694 - 4	300
3	18	1	0	1	4	13	0	2.55608 - 7	165	3	18	0	1	1	0	17	0	1.11025 - 5	303
3	18	2	0	0	4	13	0	1.10329 - 8	168	3	18	1	1	0	0	17	0	1.25524 - 5	306
3	18	0	2	0	3	13	1	2.62416 - 5	174	3	18	1	0	1	0	17	0	2.16568 - 7	309
3	18	0	1	1	3	13	1	3.56790 - 5	177	3	18	2	0	0	0	17	0	7.51973 - 8	312
3	18	1	1	0	3	13	1	9.87115 - 7	180										
3	18	0	0	2	3	13	1	8.94159 - 9	180	4	5	0	0	3	0	0	4	5.23366 - 1	0
3	18	0	0	2	2	12	3	1.16241 - 5	180	4	5	0	0	3	1	1	2	2.15940 - 2	0
3	18	1	0	1	3	13	1	3.34018 - 6	183	4	5	1	1	1	1	1	2	2.45801 - 1	0
3	18	2	0	0	3	13	1	1.54719 - 7	186	4	5	1	1	1	2	2	0	9.51575 - 2	0
3	18	0	2	0	3	14	0	1.06690 - 5	192	4	5	0	1	2	0	1	3	3.54254 - 1	1
3	18	0	1	1	2	13	2	3.48778 - 5	195	4	5	0	1	2	1	2	1	4.47804 - 2	1
3	18	0	1	1	3	14	0	5.19471 - 6	195	4	5	1	2	0	1	2	1	1.51067 - 1	1
3	18	1	1	0	3	14	0	3.01550 - 5	198	4	5	0	2	1	0	2	2	2.12405 - 1	2
3	18	0	0	2	2	13	2	2.16387 - 5	198	4	5	0	2	1	1	3	0	6.93686 - 2	2
3	18	1	0	1	2	13	2	4.52668 - 7	201	4	5	3	0	0	3	1	0	4.53687 - 2	2
3	18	1	0	1	3	14	0	5.89321 - 7	201	4	5	2	0	1	2	1	1	8.23159 - 2	3
3	18	0	2	0	2	14	1	3.25829 - 5	210	4	5	0	3	0	0	3	1	9.51579 - 2	3
3	18	0	1	1	2	14	1	6.10268 - 5	213	4	5	1	0	2	1	1	2	1.10781 - 1	4
3	18	1	1	0	2	14	1	1.24328 - 7	216	4	5	2	1	0	2	2	0	1.45847 - 1	4
3	18	0	0	2	2	14	1	2.88207 - 7	216	4	5	0	0	3	0	1	3	1.30842 - 1	5
3	18	0	0	2	1	13	3	5.72262 - 6	216	4	5	1	1	1	1	2	1	1.91629 - 1	5
3	18	1	0	1	2	14	1	3.35709 - 7	219	4	5	0	1	2	0	2	2	2.20887 - 1	6
3	18	2	0	0	2	14	1	5.08291 - 8	222	4	5	1	2	0	1	3	0	2.45768 - 1	6
3	18	0	2	0	2	15	0	4.37595 - 5	228	4	5	0	2	1	0	3	1	2.76451 - 1	7
3	18	0	1	1	1	14	2	2.41710 - 5	231	4	5	3	0	0	2	1	1	4.54694 - 4	7
3	18	0	1	1	2	15	0	1.00295 - 6	231	4	5	2	0	1	1	1	2	9.44858 - 4	8
3	18	0	0	2	1	14	2	1.72701 - 5	234	4	5	2	0	1	2	2	0	7.03957 - 4	8
3	18	1	1	0	2	15	0	1.49110 - 5	234	4	5	0	3	0	0	4	0	3.03404 - 1	8

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	5	1	0	2	0	1	3	9.81312 - 4	9	4	6	0	0	3	0	2	3	1.77289 - 2	12
4	5	1	0	2	1	2	1	7.93842 - 4	9	4	6	1	1	1	1	3	1	2.87444 - 2	12
4	5	2	1	0	1	2	1	1.43394 - 3	9	4	6	0	3	0	0	4	1	2.04990 - 2	12
4	5	0	0	3	0	2	2	7.66650 - 4	10	4	6	3	0	0	2	2	1	8.51724 - 5	12
4	5	1	1	1	0	2	2	1.46001 - 3	10	4	6	0	1	2	0	3	2	4.07210 - 2	14
4	5	1	1	1	1	3	0	1.58346 - 3	10	4	6	2	0	1	1	2	2	2.59700 - 4	14
4	5	0	1	2	0	3	1	1.49521 - 3	11	4	6	2	0	1	2	3	0	1.87417 - 4	14
4	5	1	2	0	0	3	1	1.57891 - 3	11	4	6	1	2	0	1	4	0	4.65226 - 2	14
4	5	0	2	1	0	4	0	1.45783 - 3	12	4	6	1	0	2	0	2	3	3.69351 - 4	16
4	5	3	0	0	2	2	0	5.30804 - 5	12	4	6	1	0	2	1	3	1	2.59700 - 4	16
4	5	2	0	1	1	2	1	9.90272 - 5	13	4	6	0	2	1	0	4	1	6.08084 - 2	16
4	5	1	0	2	0	2	2	9.19980 - 5	14	4	6	2	1	0	1	3	1	5.37042 - 4	16
4	5	2	1	0	1	3	0	1.81732 - 4	14	4	6	0	0	3	0	3	2	2.77014 - 4	18
4	5	1	1	1	0	3	1	1.66056 - 4	15	4	6	1	1	1	0	3	2	7.19038 - 4	18
4	5	1	2	0	0	4	0	1.49218 - 4	16	4	6	1	1	1	1	4	0	6.97352 - 4	18
4	5	3	0	0	1	2	1	1.69633 - 7	17	4	6	0	3	0	0	5	0	7.33208 - 2	18
4	5	2	0	1	0	2	2	2.29995 - 7	18	4	6	3	0	0	2	3	0	3.22679 - 5	18
4	5	2	0	1	1	3	0	2.86605 - 7	18	4	6	0	1	2	0	4	1	6.93255 - 4	20
4	5	1	0	2	0	3	1	2.39578 - 7	19	4	6	2	0	1	1	3	1	8.01544 - 5	20
4	5	2	1	0	0	3	1	3.83014 - 7	19	4	6	1	2	0	0	4	1	8.76119 - 4	20
4	5	1	1	1	0	4	0	3.15457 - 7	20	4	6	1	0	2	0	3	2	9.23379 - 5	22
4	5	3	0	0	1	3	0	7.61272 - 9	22	4	6	0	2	1	0	5	0	8.12465 - 4	22
4	5	2	0	1	0	3	1	9.58313 - 9	23	4	6	2	1	0	1	4	0	1.89116 - 4	22
4	5	2	1	0	0	4	0	1.19141 - 8	24	4	6	1	1	1	0	4	1	2.06905 - 4	24
4	5	3	0	0	0	3	1	7.98594 -12	27	4	6	3	0	0	1	3	1	3.63663 - 7	24
4	5	2	0	1	0	4	0	9.35852 -12	28	4	6	2	0	1	0	3	2	6.41235 - 7	26
4	5	3	0	0	0	4	0	1.24780 -13	32	4	6	2	0	1	1	4	0	7.57710 - 7	26
										4	6	1	2	0	0	5	0	2.14904 - 4	26
4	6	0	0	3	1	1	3	0.00000	0	4	6	1	0	2	0	4	1	7.21390 - 7	28
4	6	1	1	1	2	2	1	0.00000	0	4	6	2	1	0	0	4	1	1.27820 - 6	28
4	6	0	3	0	1	3	1	9.99622 - 4	0	4	6	1	1	1	0	5	0	1.16257 - 6	30
4	6	3	0	0	3	1	1	9.99622 - 4	0	4	6	3	0	0	1	4	0	5.21839 - 8	30
4	6	0	1	2	1	2	2	4.61689 - 4	2	4	6	2	0	1	0	4	1	8.01544 - 8	32
4	6	2	0	1	2	1	2	4.87659 - 3	2	4	6	2	1	0	0	5	0	1.18460 - 7	34
4	6	2	0	1	3	2	0	1.71286 - 3	2	4	6	3	0	0	0	4	1	1.85543 -10	36
4	6	1	2	0	2	3	0	6.55374 - 4	2	4	6	2	0	1	0	5	0	2.50482 -10	38
4	6	1	0	2	1	1	3	1.47741 - 2	4	4	6	3	0	0	0	5	0	9.27713 -12	42
4	6	1	0	2	2	2	1	1.90808 - 3	4										
4	6	0	2	1	1	3	1	1.69607 - 3	4	4	7	0	0	3	1	1	4	1.03197 - 2	0
4	6	2	1	0	2	2	1	7.42471 - 3	4	4	7	0	0	3	2	2	2	5.51860 - 4	0
4	6	0	0	3	0	1	4	3.54577 - 2	6	4	7	1	1	1	2	2	2	8.39807 - 3	0
4	6	0	0	3	1	2	2	1.38507 - 3	6	4	7	1	1	1	3	3	0	3.27349 - 3	0
4	6	1	1	1	1	2	2	2.03528 - 2	6	4	7	2	0	1	3	2	1	2.10197 - 3	1
4	6	1	1	1	2	3	0	7.42471 - 3	6	4	7	0	3	0	2	4	0	1.15559 - 3	2
4	6	0	3	0	1	4	0	2.33209 - 3	6	4	7	0	1	2	1	2	3	8.72301 - 3	3
4	6	3	0	0	3	2	0	2.06376 - 3	6	4	7	0	1	2	2	3	1	1.25250 - 3	3
4	6	0	1	2	0	2	3	4.46915 - 2	8	4	7	1	2	0	2	3	1	4.89614 - 3	3
4	6	0	1	2	1	3	1	4.87659 - 3	8	4	7	1	0	2	2	2	2	2.03289 - 3	4
4	6	2	0	1	2	2	1	6.06328 - 3	8	4	7	2	1	0	3	3	0	3.16522 - 3	4
4	6	1	2	0	1	3	1	1.85041 - 2	8	4	7	3	0	0	3	2	1	6.95366 - 6	5
4	6	1	0	2	1	2	2	1.15422 - 2	10	4	7	0	2	1	1	3	2	4.44094 - 3	6
4	6	0	2	1	0	3	2	3.72436 - 2	10	4	7	0	2	1	2	4	0	1.62640 - 3	6
4	6	0	2	1	1	4	0	1.10936 - 2	10	4	7	0	0	3	1	2	3	1.03197 - 3	7
4	6	2	1	0	2	3	0	1.63843 - 2	10	4	7	1	1	1	2	3	1	2.40083 - 3	7

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	7	2	0	1	2	2	2	1.94083 - 4	8	4	7	1	1	1	0	6	0	1.79729 - 6	42
4	7	2	0	1	3	3	0	4.43677 - 5	8	4	7	2	0	1	0	5	1	1.74268 - 7	43
4	7	0	3	0	1	4	1	1.27645 - 3	9	4	7	2	1	0	0	6	0	2.97641 - 7	46
4	7	0	1	2	1	3	2	8.30924 - 4	10	4	7	3	0	0	0	5	1	6.66843 -10	47
4	7	1	2	0	2	4	0	1.24970 - 3	10	4	7	2	0	1	0	6	0	1.02110 - 9	50
4	7	1	0	2	1	2	3	1.42553 - 3	11	4	7	3	0	0	0	6	0	6.25165 -11	54
4	7	1	0	2	2	3	1	1.12977 - 4	11										
4	7	2	1	0	2	3	1	5.77402 - 4	11	4	8	0	0	3	2	2	3	0.00000	0
4	7	3	0	0	3	3	0	1.58579 - 4	12	4	8	0	2	1	2	3	2	5.96094 - 4	0
4	7	0	2	1	1	4	1	1.75955 - 4	13	4	8	0	2	1	3	4	0	2.07810 - 4	0
4	7	0	0	3	0	2	4	6.19180 - 3	14	4	8	1	1	1	3	3	1	0.00000	0
4	7	0	0	3	1	3	2	1.48144 - 4	14	4	8	2	0	1	3	2	2	5.96094 - 4	0
4	7	1	1	1	1	3	2	3.11766 - 3	14	4	8	2	0	1	4	3	0	2.07810 - 4	0
4	7	1	1	1	2	4	0	9.41818 - 4	14	4	8	0	1	2	2	3	2	1.32007 - 4	4
4	7	2	0	1	2	3	1	7.76132 - 4	15	4	8	1	0	2	2	2	3	1.98011 - 3	4
4	7	0	3	0	1	5	0	1.70778 - 5	16	4	8	1	0	2	3	3	1	2.66214 - 4	4
4	7	0	1	2	0	3	3	1.11061 - 2	17	4	8	0	3	0	2	4	1	8.22493 - 5	4
4	7	0	1	2	1	4	1	9.04294 - 4	17	4	8	1	2	0	3	4	0	2.10001 - 4	4
4	7	1	2	0	1	4	1	3.94290 - 3	17	4	8	2	1	0	3	3	1	1.12621 - 3	4
4	7	1	0	2	1	3	2	2.19920 - 3	18	4	8	3	0	0	4	3	0	2.67804 - 4	4
4	7	2	1	0	2	4	0	3.11073 - 3	18	4	8	0	0	3	1	2	4	3.52019 - 3	8
4	7	3	0	0	2	3	1	1.87377 - 5	19	4	8	0	0	3	2	3	2	1.76009 - 4	8
4	7	0	2	1	0	4	2	1.16567 - 2	20	4	8	0	2	1	2	4	1	4.33664 - 4	8
4	7	0	2	1	1	5	0	3.04183 - 3	20	4	8	1	1	1	2	3	2	2.99491 - 3	8
4	7	0	0	3	0	3	3	4.64385 - 3	21	4	8	1	1	1	3	4	0	1.12621 - 3	8
4	7	1	1	1	1	4	1	7.39616 - 3	21	4	8	2	0	1	3	3	1	7.94243 - 4	8
4	7	2	0	1	1	3	2	8.24652 - 5	22	4	8	0	1	2	1	3	3	4.40024 - 3	12
4	7	2	0	1	2	4	0	5.65209 - 5	22	4	8	0	1	2	2	4	1	5.96094 - 4	12
4	7	0	3	0	0	5	1	7.53596 - 3	23	4	8	1	0	2	2	3	2	1.18806 - 3	12
4	7	0	1	2	0	4	2	1.32941 - 2	24	4	8	0	3	0	2	5	0	4.40769 - 4	12
4	7	1	2	0	1	5	0	1.49306 - 2	24	4	8	1	2	0	2	4	1	2.42894 - 3	12
4	7	1	0	2	0	3	3	1.59928 - 4	25	4	8	2	1	0	3	4	0	1.89001 - 3	12
4	7	1	0	2	1	4	1	9.84130 - 5	25	4	8	3	0	0	3	3	1	2.40924 - 6	12
4	7	2	1	0	1	4	1	2.20281 - 4	25	4	8	0	0	3	1	3	3	9.38717 - 4	16
4	7	3	0	0	2	4	0	1.47144 - 5	26	4	8	0	2	1	1	4	2	2.94971 - 3	16
4	7	0	2	1	0	5	1	2.29465 - 2	27	4	8	0	2	1	2	5	0	1.04978 - 3	16
4	7	0	0	3	0	4	2	1.22445 - 4	28	4	8	1	1	1	2	4	1	2.23381 - 3	16
4	7	1	1	1	0	4	2	3.81577 - 4	28	4	8	2	0	1	2	3	2	2.06261 - 6	16
4	7	1	1	1	1	5	0	3.38974 - 4	28	4	8	2	0	1	3	4	0	6.20932 - 7	16
4	7	2	0	1	1	4	1	4.74218 - 5	29	4	8	0	1	2	1	4	2	1.33107 - 3	20
4	7	0	3	0	0	6	0	3.02275 - 2	30	4	8	1	0	2	1	3	3	1.76009 - 4	20
4	7	0	1	2	0	5	1	3.69742 - 4	31	4	8	1	0	2	2	4	1	2.06261 - 6	20
4	7	1	2	0	0	5	1	5.22172 - 4	31	4	8	0	3	0	1	5	1	1.04978 - 3	20
4	7	1	0	2	0	4	2	6.74698 - 5	32	4	8	1	2	0	2	5	0	1.99617 - 3	20
4	7	2	1	0	1	5	0	1.38685 - 4	32	4	8	2	1	0	2	4	1	3.30904 - 5	20
4	7	3	0	0	1	4	1	3.46882 - 7	33	4	8	3	0	0	3	4	0	1.14606 - 5	20
4	7	0	2	1	0	6	0	5.01276 - 4	34	4	8	0	0	3	0	3	4	1.64275 - 3	24
4	7	1	1	1	0	5	1	1.79288 - 4	35	4	8	0	0	3	1	4	2	1.46674 - 5	24
4	7	2	0	1	0	4	2	7.74526 - 7	36	4	8	0	2	1	1	5	1	7.98643 - 4	24
4	7	2	0	1	1	5	0	8.71959 - 7	36	4	8	1	1	1	1	4	2	5.96094 - 4	24
4	7	1	2	0	0	6	0	2.10626 - 4	38	4	8	1	1	1	2	5	0	1.22751 - 4	24
4	7	1	0	2	0	5	1	9.48794 - 7	39	4	8	2	0	1	2	4	1	1.16022 - 4	24
4	7	2	1	0	0	5	1	1.79545 - 6	39	4	8	0	1	2	0	4	3	3.77320 - 3	28
4	7	3	0	0	1	5	0	9.50876 - 8	40	4	8	0	1	2	1	5	1	1.99661 - 4	28

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	8	1	0	2	1	4	2	5.39029 - 4	28	4	9	1	2	0	3	4	1	9.68228 - 4	5
4	8	0	3	0	1	6	0	1.40233 - 4	28	4	9	0	3	0	3	5	0	2.15040 - 4	6
4	8	1	2	0	1	5	1	1.04979 - 3	28	4	9	2	0	1	3	3	2	7.95597 - 5	8
4	8	2	1	0	2	5	0	7.21206 - 4	28	4	9	2	0	1	4	4	0	2.10816 - 5	8
4	8	3	0	0	2	4	1	4.51465 - 6	28	4	9	0	0	3	2	3	3	9.90755 - 5	9
4	8	0	0	3	0	4	3	1.64275 - 3	32	4	9	1	1	1	3	4	1	2.73338 - 4	9
4	8	0	2	1	0	5	2	4.73648 - 3	32	4	9	0	2	1	2	4	2	6.88428 - 4	10
4	8	0	2	1	1	6	0	1.04979 - 3	32	4	9	0	2	1	3	5	0	2.55668 - 4	10
4	8	1	1	1	1	5	1	2.39593 - 3	32	4	9	3	0	0	4	4	0	5.61988 - 5	12
4	8	2	0	1	1	4	2	2.90484 - 5	32	4	9	1	0	2	2	3	3	5.06615 - 4	13
4	8	2	0	1	2	5	0	1.85828 - 5	32	4	9	1	0	2	3	4	1	5.17792 - 5	13
4	8	0	1	2	0	5	2	5.59050 - 3	36	4	9	2	1	0	3	4	1	2.51733 - 4	13
4	8	1	0	2	0	4	3	7.70041 - 5	36	4	9	0	1	2	2	4	2	1.63413 - 5	14
4	8	1	0	2	1	5	1	4.12522 - 5	36	4	9	1	2	0	3	5	0	2.83474 - 5	14
4	8	0	3	0	0	6	1	3.49958 - 3	36	4	9	0	3	0	2	5	1	1.38340 - 4	15
4	8	1	2	0	1	6	0	6.00858 - 3	36	4	9	2	0	1	3	4	1	2.60880 - 4	17
4	8	2	1	0	1	5	1	9.74777 - 5	36	4	9	0	0	3	1	3	4	1.38706 - 3	18
4	8	3	0	0	2	5	0	6.39570 - 6	36	4	9	0	0	3	2	4	2	5.43561 - 5	18
4	8	0	0	3	0	5	2	6.16033 - 5	40	4	9	1	1	1	2	4	2	1.08912 - 3	18
4	8	0	2	1	0	6	1	1.09175 - 2	40	4	9	1	1	1	3	5	0	3.72618 - 4	18
4	8	1	1	1	0	5	2	2.16574 - 4	40	4	9	0	2	1	2	5	1	3.43717 - 5	19
4	8	1	1	1	1	6	0	1.77617 - 4	40	4	9	3	0	0	3	4	1	3.12623 - 6	21
4	8	2	0	1	1	5	1	2.64014 - 5	40	4	9	1	0	2	2	4	2	5.66417 - 4	22
4	8	0	1	2	0	6	1	2.16574 - 4	44	4	9	2	1	0	3	5	0	8.91881 - 4	22
4	8	1	0	2	0	5	2	4.62025 - 5	44	4	9	0	1	2	1	4	3	2.27339 - 3	23
4	8	0	3	0	0	7	0	1.56158 - 2	44	4	9	0	1	2	2	5	1	2.69892 - 4	23
4	8	1	2	0	0	6	1	3.29836 - 4	44	4	9	1	2	0	2	5	1	1.16394 - 3	23
4	8	2	1	0	1	6	0	9.35926 - 5	44	4	9	0	3	0	2	6	0	1.32552 - 4	24
4	8	3	0	0	1	5	1	2.59975 - 7	44	4	9	2	0	1	2	4	2	2.57293 - 6	26
4	8	0	2	1	0	7	0	3.31842 - 4	48	4	9	2	0	1	3	5	0	5.00967 - 6	26
4	8	1	1	1	0	6	1	1.41495 - 4	48	4	9	0	0	3	1	4	3	6.24176 - 4	27
4	8	2	0	1	0	5	2	7.21914 - 7	48	4	9	1	1	1	2	5	1	1.45125 - 3	27
4	8	2	0	1	1	6	0	7.75628 - 7	48	4	9	0	2	1	1	5	2	1.87276 - 3	28
4	8	1	0	2	0	6	1	9.62552 - 7	52	4	9	0	2	1	2	6	0	6.30808 - 4	28
4	8	1	2	0	0	7	0	1.85185 - 4	52	4	9	3	0	0	3	5	0	2.02772 - 7	30
4	8	2	1	0	0	6	1	1.90630 - 6	52	4	9	1	0	2	1	4	3	1.94252 - 5	31
4	8	3	0	0	1	6	0	1.11904 - 7	52	4	9	1	0	2	2	5	1	1.82422 - 6	31
4	8	1	1	1	0	7	0	2.08839 - 6	56	4	9	2	1	0	2	5	1	1.07711 - 7	31
4	8	2	0	1	0	6	1	2.40638 - 7	56	4	9	0	1	2	1	5	2	1.18208 - 3	32
4	8	2	1	0	0	7	0	4.65699 - 7	60	4	9	1	2	0	2	6	0	1.74378 - 3	32
4	8	3	0	0	0	6	1	1.25332 - 9	60	4	9	0	3	0	1	6	1	7.86244 - 4	33
4	8	2	0	1	0	7	0	2.14855 - 9	64	4	9	2	0	1	2	5	1	1.56984 - 5	35
4	8	3	0	0	0	7	0	1.79046 -10	68	4	9	0	0	3	0	4	4	5.54823 - 4	36
										4	9	0	0	3	1	5	2	3.38637 - 7	36
4	9	0	0	3	2	2	4	1.78336 - 3	0	4	9	1	1	1	1	5	2	1.17762 - 4	36
4	9	0	0	3	3	3	2	1.02365 - 4	0	4	9	1	1	1	2	6	0	9.39984 - 6	36
4	9	1	1	1	3	3	2	1.74935 - 3	0	4	9	0	2	1	1	6	1	9.88306 - 4	37
4	9	1	1	1	4	4	0	6.82434 - 4	0	4	9	3	0	0	2	5	1	1.11543 - 6	39
4	9	0	2	1	3	4	1	4.18373 - 4	1	4	9	1	0	2	1	5	2	1.49013 - 4	40
4	9	3	0	0	4	3	1	2.84408 - 6	3	4	9	2	1	0	2	6	0	1.78728 - 4	40
4	9	1	0	2	3	3	2	3.43733 - 4	4	4	9	0	1	2	0	5	3	1.54278 - 3	41
4	9	2	1	0	4	4	0	5.71547 - 4	4	4	9	0	1	2	1	6	1	4.38544 - 5	41
4	9	0	1	2	2	3	3	1.57993 - 3	5	4	9	1	2	0	1	6	1	3.07526 - 4	41
4	9	0	1	2	3	4	1	2.32867 - 4	5	4	9	0	3	0	1	7	0	3.24993 - 4	42

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X
4	9	2	0	1	1	5	2	1.09765 - 5	44	4	10	1	1	1	4	5	0	3.46495 - 4	10
4	9	2	0	1	2	6	0	6.42832 - 6	44	4	10	0	2	1	3	5	1	1.61865 - 4	12
4	9	0	0	3	0	5	3	6.93529 - 4	45	4	10	3	0	0	4	4	1	1.44873 - 7	12
4	9	1	1	1	1	6	1	8.79705 - 4	45	4	10	1	0	2	3	4	2	2.94453 - 4	14
4	9	0	2	1	0	6	2	2.24356 - 3	46	4	10	2	1	0	4	5	0	4.93113 - 4	14
4	9	0	2	1	1	7	0	4.10211 - 4	46	4	10	0	1	2	2	4	3	1.09998 - 3	16
4	9	3	0	0	2	6	0	2.77254 - 6	48	4	10	0	1	2	3	5	1	1.59380 - 4	16
4	9	1	0	2	0	5	3	4.01348 - 5	49	4	10	1	2	0	3	5	1	6.72021 - 4	16
4	9	1	0	2	1	6	1	1.85413 - 5	49	4	10	2	0	1	3	4	2	7.94721 - 6	18
4	9	2	1	0	1	6	1	4.56652 - 5	49	4	10	2	0	1	4	5	0	6.74462 - 7	18
4	9	0	1	2	0	6	2	2.72359 - 3	50	4	10	0	3	0	3	6	0	1.33317 - 4	18
4	9	1	2	0	1	7	0	2.74926 - 3	50	4	10	0	0	3	2	4	3	1.52616 - 4	20
4	9	0	3	0	0	7	1	1.85956 - 3	51	4	10	1	1	1	3	5	1	4.22310 - 4	20
4	9	2	0	1	1	6	1	1.46078 - 5	53	4	10	0	2	1	2	5	2	6.16875 - 4	22
4	9	0	0	3	0	6	2	3.38637 - 5	54	4	10	0	2	1	3	6	0	2.29591 - 4	22
4	9	1	1	1	0	6	2	1.29665 - 4	54	4	10	3	0	0	4	5	0	1.07949 - 5	22
4	9	1	1	1	1	7	0	9.84022 - 5	54	4	10	1	0	2	2	4	3	1.38499 - 4	24
4	9	0	2	1	0	7	1	5.92567 - 3	55	4	10	1	0	2	3	5	1	7.94721 - 6	24
4	9	3	0	0	1	6	1	1.77352 - 7	57	4	10	2	1	0	3	5	1	5.12151 - 5	24
4	9	1	0	2	0	6	2	3.13553 - 5	58	4	10	0	1	2	2	5	2	1.16762 - 4	26
4	9	2	1	0	1	7	0	6.18779 - 5	58	4	10	1	2	0	3	6	0	1.94713 - 4	26
4	9	0	1	2	0	7	1	1.35389 - 4	59	4	10	2	0	1	3	5	1	8.27117 - 5	28
4	9	1	2	0	0	7	1	2.17759 - 4	59	4	10	0	3	0	2	6	1	1.56830 - 4	28
4	9	0	3	0	0	8	0	9.15070 - 3	60	4	10	0	0	3	1	4	4	6.10462 - 4	30
4	9	2	0	1	0	6	2	6.04847 - 7	62	4	10	0	0	3	2	5	2	1.61200 - 5	30
4	9	2	0	1	1	7	0	6.20463 - 7	62	4	10	1	1	1	2	5	2	4.08725 - 4	30
4	9	1	1	1	0	7	1	1.08502 - 4	63	4	10	1	1	1	3	6	0	1.19964 - 4	30
4	9	0	2	1	0	8	0	2.30735 - 4	64	4	10	0	2	1	2	6	1	7.02310 - 6	32
4	9	3	0	0	1	7	0	1.08412 - 7	66	4	10	3	0	0	3	5	1	1.82112 - 6	32
4	9	1	0	2	0	7	1	8.74868 - 7	67	4	10	1	0	2	2	5	2	2.60984 - 4	34
4	9	2	1	0	0	7	1	1.79128 - 6	67	4	10	2	1	0	3	6	0	3.98147 - 4	34
4	9	1	2	0	0	8	0	1.56401 - 4	68	4	10	0	1	2	1	5	3	1.23142 - 3	36
4	9	2	0	1	0	7	1	2.70021 - 7	71	4	10	0	1	2	2	6	1	1.21507 - 4	36
4	9	1	1	1	0	8	0	2.13486 - 6	72	4	10	1	2	0	2	6	1	5.62706 - 4	36
4	9	3	0	0	0	7	1	1.73625 - 9	75	4	10	2	0	1	2	5	2	4.51005 - 6	38
4	9	2	1	0	0	8	0	5.83471 - 7	76	4	10	2	0	1	3	6	0	4.77884 - 6	38
4	9	2	0	1	0	8	0	3.29616 - 9	80	4	10	0	3	0	2	7	0	2.57970 - 5	38
4	9	3	0	0	0	8	0	3.39111 -10	84	4	10	0	0	3	1	5	3	3.90696 - 4	40
										4	10	1	1	1	2	6	1	8.62464 - 4	40
4	10	0	0	3	3	3	3	0.00000	0	4	10	0	2	1	1	6	2	1.19753 - 3	42
4	10	1	1	1	4	4	1	0.00000	0	4	10	0	2	1	2	7	0	3.75771 - 4	42
4	10	0	2	1	3	4	2	1.59380 - 4	2	4	10	3	0	0	3	6	0	2.31166 - 7	42
4	10	0	2	1	4	5	0	5.47795 - 5	2	4	10	1	0	2	1	5	3	7.32555 - 7	44
4	10	3	0	0	5	4	0	7.53648 - 5	2	4	10	1	0	2	2	6	1	4.32692 - 6	44
4	10	1	0	2	3	3	3	5.76887 - 4	4	4	10	2	1	0	2	6	1	5.33656 - 6	44
4	10	1	0	2	4	4	1	7.88869 - 5	4	4	10	0	1	2	1	6	2	9.08253 - 4	46
4	10	2	1	0	4	4	1	3.46495 - 4	4	4	10	1	2	0	2	7	0	1.30482 - 3	46
4	10	0	1	2	3	4	2	5.40831 - 5	6	4	10	2	0	1	2	6	1	1.09198 - 6	48
4	10	1	2	0	4	5	0	9.05719 - 5	6	4	10	0	3	0	1	7	1	5.76516 - 4	48
4	10	2	0	1	4	4	1	2.29118 - 4	8	4	10	0	0	3	0	5	4	2.19766 - 4	50
4	10	0	3	0	3	5	1	1.60028 - 5	8	4	10	0	0	3	1	6	2	5.72308 - 7	50
4	10	0	0	3	2	3	4	9.15693 - 4	10	4	10	1	1	1	1	6	2	1.93855 - 5	50
4	10	0	0	3	3	4	2	5.00770 - 5	10	4	10	1	1	1	2	7	0	1.66688 - 7	50
4	10	1	1	1	3	4	2	9.08777 - 4	10	4	10	0	2	1	1	7	1	9.34477 - 4	52

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	10	3	0	0	2	6	1	2.61628 - 7	52	4	11	0	1	2	3	4	3	5.08152 - 4	7
4	10	1	0	2	1	6	2	4.29231 - 5	54	4	11	0	1	2	4	5	1	7.53721 - 5	7
4	10	2	1	0	2	7	0	4.25528 - 5	54	4	11	1	2	0	4	5	1	3.23624 - 4	7
4	10	0	1	2	0	6	3	7.14515 - 4	56	4	11	2	0	1	4	4	2	3.52219 - 5	8
4	10	0	1	2	1	7	1	7.61354 - 6	56	4	11	2	0	1	5	5	0	9.73848 - 6	8
4	10	1	2	0	1	7	1	9.11590 - 5	56	4	11	0	3	0	4	6	0	6.88422 - 5	10
4	10	2	0	1	1	6	2	4.34056 - 6	58	4	11	0	0	3	3	4	3	2.03315 - 5	11
4	10	2	0	1	2	7	0	2.26878 - 6	58	4	11	1	1	1	4	5	1	6.09157 - 5	11
4	10	0	3	0	1	8	0	4.06553 - 4	58	4	11	3	0	0	5	5	0	2.37583 - 5	12
4	10	0	0	3	0	6	3	3.29650 - 4	60	4	11	0	2	1	3	5	2	1.95016 - 4	14
4	10	1	1	1	1	7	1	3.47498 - 4	60	4	11	0	2	1	4	6	0	7.19776 - 5	14
4	10	0	2	1	0	7	2	1.17791 - 3	62	4	11	1	0	2	3	4	3	2.17041 - 4	15
4	10	0	2	1	1	8	0	1.72191 - 4	62	4	11	1	0	2	4	5	1	2.44318 - 5	15
4	10	3	0	0	2	7	0	1.20779 - 6	62	4	11	2	1	0	4	5	1	1.17705 - 4	15
4	10	1	0	2	0	6	3	2.22513 - 5	64	4	11	0	1	2	3	5	2	1.70721 - 7	18
4	10	1	0	2	1	7	1	8.75816 - 6	64	4	11	1	2	0	4	6	0	1.96770 - 7	18
4	10	2	1	0	1	7	1	2.23299 - 5	64	4	11	2	0	1	4	5	1	1.07609 - 4	19
4	10	0	1	2	0	7	2	1.46367 - 3	66	4	11	0	3	0	3	6	1	2.92731 - 5	21
4	10	1	2	0	1	8	0	1.36752 - 3	66	4	11	0	0	3	2	4	4	4.87957 - 4	22
4	10	2	0	1	1	7	1	8.15949 - 6	68	4	11	0	0	3	3	5	2	2.28968 - 5	22
4	10	0	3	0	0	8	1	1.08039 - 3	68	4	11	1	1	1	3	5	2	4.57419 - 4	22
4	10	0	0	3	0	7	2	1.98673 - 5	70	4	11	1	1	1	4	6	0	1.64338 - 4	22
4	10	1	1	1	0	7	2	8.10664 - 5	70	4	11	3	0	0	4	5	1	7.18176 - 7	23
4	10	1	1	1	1	8	0	5.69249 - 5	70	4	11	0	2	1	3	6	1	4.43147 - 5	25
4	10	0	2	1	0	8	1	3.50656 - 3	72	4	11	1	0	2	3	5	2	1.96671 - 4	26
4	10	3	0	0	1	7	1	1.16268 - 7	72	4	11	2	1	0	4	6	0	3.25915 - 4	26
4	10	1	0	2	0	7	2	2.14567 - 5	74	4	11	0	1	2	2	5	3	7.37002 - 4	29
4	10	2	1	0	1	8	0	4.09219 - 5	74	4	11	0	1	2	3	6	1	9.95193 - 5	29
4	10	0	1	2	0	8	1	8.88326 - 5	76	4	11	1	2	0	3	6	1	4.31520 - 4	29
4	10	1	2	0	0	8	1	1.48897 - 4	76	4	11	2	0	1	3	5	2	1.25371 - 7	30
4	10	2	0	1	0	7	2	4.82775 - 7	78	4	11	2	0	1	4	6	0	3.34255 - 7	30
4	10	2	0	1	1	8	0	4.72769 - 7	78	4	11	0	3	0	3	7	0	7.10843 - 5	32
4	10	0	3	0	0	9	0	5.81628 - 3	78	4	11	0	0	3	2	5	3	1.46387 - 4	33
4	10	1	1	1	0	8	1	8.26796 - 5	80	4	11	1	1	1	3	6	1	3.96614 - 4	33
4	10	0	2	1	0	9	0	1.66410 - 4	82	4	11	3	0	0	4	6	0	1.64974 - 6	34
4	10	3	0	0	1	8	0	9.51029 - 8	82	4	11	0	2	1	2	6	2	5.01916 - 4	36
4	10	1	0	2	0	8	1	7.54335 - 7	84	4	11	0	2	1	3	7	0	1.82589 - 4	36
4	10	2	1	0	0	8	1	1.58413 - 6	84	4	11	1	0	2	2	5	3	3.83359 - 5	37
4	10	1	2	0	0	9	0	1.30081 - 4	86	4	11	1	0	2	3	6	1	4.92343 - 7	37
4	10	2	0	1	0	8	1	2.71561 - 7	88	4	11	2	1	0	3	6	1	7.74910 - 6	37
4	10	1	1	1	0	9	0	2.04236 - 6	90	4	11	0	1	2	2	6	2	1.78743 - 4	40
4	10	3	0	0	0	8	1	2.03671 - 9	92	4	11	1	2	0	3	7	0	2.92893 - 4	40
4	10	2	1	0	0	9	0	6.47729 - 7	94	4	11	2	0	1	3	6	1	2.53029 - 5	41
4	10	2	0	1	0	9	0	4.24314 - 9	98	4	11	0	3	0	2	7	1	1.52334 - 4	43
4	10	3	0	0	0	9	0	5.09176 -10	102	4	11	0	0	3	1	5	4	2.92774 - 4	44
										4	11	0	0	3	2	6	2	4.28869 - 6	44
4	11	0	0	3	3	3	4	5.69283 - 4	0	4	11	1	1	1	2	6	2	1.56313 - 4	44
4	11	0	0	3	4	4	2	3.36996 - 5	0	4	11	1	1	1	3	7	0	3.62417 - 5	44
4	11	1	1	1	4	4	2	6.09814 - 4	0	4	11	3	0	0	3	6	1	8.66177 - 7	45
4	11	1	1	1	5	5	0	2.37984 - 4	0	4	11	0	2	1	2	7	1	5.41370 - 5	47
4	11	3	0	0	5	4	1	1.05945 - 6	1	4	11	1	0	2	2	6	2	1.20520 - 4	48
4	11	0	2	1	4	5	1	1.44303 - 4	3	4	11	2	1	0	3	7	0	1.74889 - 4	48
4	11	1	0	2	4	4	2	1.08655 - 4	4	4	11	0	1	2	1	6	3	6.99044 - 4	51
4	11	2	1	0	5	5	0	1.86626 - 4	4	4	11	0	1	2	2	7	1	5.45707 - 5	51

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	11	1	2	0	2	7	1	2.76369 - 4	51	4	11	1	1	1	0	9	1	6.31856 - 5	99
4	11	2	0	1	2	6	2	3.77974 - 6	52	4	11	3	0	0	1	9	0	7.90104 - 8	100
4	11	2	0	1	3	7	0	3.21834 - 6	52	4	11	0	2	1	0	10	0	1.23507 - 4	102
4	11	0	3	0	2	8	0	6.25726 - 7	54	4	11	1	0	2	0	9	1	6.33451 - 7	103
4	11	0	0	3	1	6	3	2.43979 - 4	55	4	11	2	1	0	0	9	1	1.35703 - 6	103
4	11	1	1	1	2	7	1	5.00893 - 4	55	4	11	1	2	0	0	10	0	1.07706 - 4	106
4	11	3	0	0	3	7	0	5.09602 - 7	56	4	11	2	0	1	0	9	1	2.56521 - 7	107
4	11	0	2	1	1	7	2	7.81533 - 4	58	4	11	1	1	1	0	10	0	1.88290 - 6	110
4	11	0	2	1	2	8	0	2.25794 - 4	58	4	11	3	0	0	0	9	1	2.16418 - 9	111
4	11	1	0	2	1	6	3	3.78066 - 7	59	4	11	2	1	0	0	10	0	6.69197 - 7	114
4	11	1	0	2	2	7	1	4.42229 - 6	59	4	11	2	0	1	0	10	0	4.90998 - 9	118
4	11	2	1	0	2	7	1	7.75428 - 6	59	4	11	3	0	0	0	10	0	6.62779 -10	122
4	11	0	1	2	1	7	2	6.66950 - 4	62										
4	11	1	2	0	2	8	0	9.26378 - 4	62	4	12	0	0	3	4	4	3	0.00000	0
4	11	2	0	1	2	7	1	5.15846 - 8	63	4	12	1	1	1	5	5	1	0.00000	0
4	11	0	3	0	1	8	1	4.23237 - 4	65	4	12	0	3	0	5	6	0	2.95745 - 5	0
4	11	0	0	3	0	6	4	9.75914 - 5	66	4	12	3	0	0	6	5	0	2.95745 - 5	0
4	11	0	0	3	1	7	2	1.66782 - 6	66	4	12	1	0	2	4	4	3	2.33914 - 4	4
4	11	1	1	1	1	7	2	1.36586 - 6	66	4	12	1	0	2	5	5	1	3.22706 - 5	4
4	11	1	1	1	2	8	0	3.62363 - 6	66	4	12	0	2	1	4	5	2	6.01493 - 5	4
4	11	3	0	0	2	7	1	5.07483 - 8	67	4	12	0	2	1	5	6	0	2.03892 - 5	4
4	11	0	2	1	1	8	1	8.02484 - 4	69	4	12	2	1	0	5	5	1	1.44620 - 4	4
4	11	1	0	2	1	7	2	1.19504 - 5	70	4	12	0	1	2	4	5	2	2.67330 - 5	8
4	11	2	1	0	2	8	0	8.24012 - 6	70	4	12	2	0	1	5	5	1	9.24199 - 5	8
4	11	0	1	2	0	7	3	3.62301 - 4	73	4	12	1	2	0	5	6	0	4.60198 - 5	8
4	11	0	1	2	1	8	1	4.47996 - 7	73	4	12	0	0	3	3	4	4	3.50871 - 4	12
4	11	1	2	0	1	8	1	2.49033 - 5	73	4	12	0	0	3	4	5	2	2.00498 - 5	12
4	11	2	0	1	1	7	2	1.75932 - 6	74	4	12	1	1	1	4	5	2	3.76490 - 4	12
4	11	2	0	1	2	8	0	7.90492 - 7	74	4	12	1	1	1	5	6	0	1.44620 - 4	12
4	11	0	3	0	1	9	0	4.19101 - 4	76	4	12	0	3	0	4	6	1	4.64803 - 6	12
4	11	0	0	3	0	7	3	1.70785 - 4	77	4	12	3	0	0	5	5	1	7.07223 - 9	12
4	11	1	1	1	1	8	1	1.42824 - 4	77	4	12	1	0	2	4	5	2	1.06932 - 4	16
4	11	3	0	0	2	8	0	5.26396 - 7	78	4	12	0	2	1	4	6	1	7.42584 - 5	16
4	11	0	2	1	0	8	2	6.66473 - 4	80	4	12	2	1	0	5	6	0	1.84079 - 4	16
4	11	0	2	1	1	9	0	7.50817 - 5	80	4	12	0	1	2	3	5	3	4.04337 - 4	20
4	11	1	0	2	0	7	3	1.29677 - 5	81	4	12	0	1	2	4	6	1	6.01493 - 5	20
4	11	1	0	2	1	8	1	4.28588 - 6	81	4	12	2	0	1	4	5	2	6.68326 - 6	20
4	11	2	1	0	1	8	1	1.12738 - 5	81	4	12	2	0	1	5	6	0	1.03962 - 6	20
4	11	0	1	2	0	8	2	8.44558 - 4	84	4	12	1	2	0	4	6	1	2.58777 - 4	20
4	11	1	2	0	1	9	0	7.21336 - 4	84	4	12	0	0	3	3	5	3	4.00996 - 5	24
4	11	2	0	1	1	8	1	4.62027 - 6	85	4	12	1	1	1	4	6	1	1.19804 - 4	24
4	11	0	3	0	0	9	1	6.69432 - 4	87	4	12	0	3	0	4	7	0	5.23062 - 5	24
4	11	0	0	3	0	8	2	1.22585 - 5	88	4	12	3	0	0	5	6	0	6.94336 - 6	24
4	11	1	1	1	0	8	2	5.25390 - 5	88	4	12	1	0	2	3	5	3	8.35407 - 5	28
4	11	1	1	1	1	9	0	3.40922 - 5	88	4	12	1	0	2	4	6	1	6.68326 - 6	28
4	11	3	0	0	1	8	1	7.49981 - 8	89	4	12	0	2	1	3	6	2	1.96414 - 4	28
4	11	0	2	1	0	9	1	2.20750 - 3	91	4	12	0	2	1	4	7	0	7.38553 - 5	28
4	11	1	0	2	0	8	2	1.48926 - 5	92	4	12	2	1	0	4	6	1	3.76518 - 5	28
4	11	2	1	0	1	9	0	2.72847 - 5	92	4	12	0	1	2	3	6	2	1.33665 - 5	32
4	11	0	1	2	0	9	1	6.05329 - 5	95	4	12	2	0	1	4	6	1	4.75254 - 5	32
4	11	1	2	0	0	9	1	1.04791 - 4	95	4	12	1	2	0	4	7	0	2.37910 - 5	32
4	11	2	0	1	0	8	2	3.76929 - 7	96	4	12	0	0	3	2	5	4	2.70672 - 4	36
4	11	2	0	1	1	9	0	3.52195 - 7	96	4	12	0	0	3	3	6	2	1.00249 - 5	36
4	11	0	3	0	0	10	0	3.91500 - 3	98	4	12	1	1	1	3	6	2	2.28840 - 4	36

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	12	1	1	1	4	7	0	7.50293 - 5	36	4	12	3	0	0	2	8	1	5.30417 - 9	84
4	12	0	3	0	3	7	1	3.80019 - 5	36	4	12	1	0	2	1	8	2	2.86425 - 6	88
4	12	3	0	0	4	6	1	6.87578 - 7	36	4	12	0	2	1	1	9	1	6.62067 - 4	88
4	12	1	0	2	3	6	2	1.20299 - 4	40	4	12	2	1	0	2	9	0	7.55157 - 7	88
4	12	0	2	1	3	7	1	5.13444 - 6	40	4	12	0	1	2	0	8	3	1.96917 - 4	92
4	12	2	1	0	4	7	0	1.94882 - 4	40	4	12	0	1	2	1	9	1	2.38688 - 7	92
4	12	0	1	2	2	6	3	4.91220 - 4	44	4	12	2	0	1	1	8	2	7.16063 - 7	92
4	12	0	1	2	3	7	1	5.96720 - 5	44	4	12	2	0	1	2	9	0	2.59905 - 7	92
4	12	2	0	1	3	6	2	3.71292 - 7	44	4	12	1	2	0	1	9	1	5.23443 - 6	92
4	12	2	0	1	4	7	0	1.03962 - 6	44	4	12	0	0	3	0	8	3	9.45204 - 5	96
4	12	1	2	0	3	7	1	2.68717 - 4	44	4	12	1	1	1	1	9	1	5.94421 - 5	96
4	12	0	0	3	2	6	3	1.20299 - 4	48	4	12	0	3	0	1	10	0	3.97240 - 4	96
4	12	1	1	1	3	7	1	3.14021 - 4	48	4	12	3	0	0	2	9	0	2.27097 - 7	96
4	12	0	3	0	3	8	0	3.30234 - 5	48	4	12	1	0	2	0	8	3	7.87670 - 6	100
4	12	3	0	0	4	7	0	1.13156 - 7	48	4	12	1	0	2	1	9	1	2.14819 - 6	100
4	12	1	0	2	2	6	3	1.00249 - 5	52	4	12	0	2	1	0	9	2	3.99378 - 4	100
4	12	1	0	2	3	7	1	9.54751 - 8	52	4	12	0	2	1	1	10	0	3.31033 - 5	100
4	12	0	2	1	2	7	2	3.92116 - 4	52	4	12	2	1	0	1	9	1	5.82379 - 6	100
4	12	0	2	1	3	8	0	1.37489 - 4	52	4	12	0	1	2	0	9	2	5.14611 - 4	104
4	12	2	1	0	3	7	1	3.30430 - 7	52	4	12	2	0	1	1	9	1	2.65209 - 6	104
4	12	0	1	2	2	7	2	1.93624 - 4	56	4	12	1	2	0	1	10	0	3.97240 - 4	104
4	12	2	0	1	3	7	1	7.17124 - 6	56	4	12	0	0	3	0	9	2	7.87670 - 6	108
4	12	1	2	0	3	8	0	3.10896 - 4	56	4	12	1	1	1	0	9	2	3.51048 - 5	108
4	12	0	0	3	1	6	4	1.50373 - 4	60	4	12	1	1	1	1	10	0	2.10063 - 5	108
4	12	0	0	3	2	7	2	8.59276 - 7	60	4	12	0	3	0	0	10	1	4.35652 - 4	108
4	12	1	1	1	2	7	2	5.96720 - 5	60	4	12	3	0	0	1	9	1	4.81305 - 8	108
4	12	1	1	1	3	8	0	9.42198 - 6	60	4	12	1	0	2	0	9	2	1.05023 - 5	112
4	12	0	3	0	2	8	1	1.37489 - 4	60	4	12	0	2	1	0	10	1	1.45655 - 3	112
4	12	3	0	0	3	7	1	3.77579 - 7	60	4	12	2	1	0	1	10	0	1.83949 - 5	112
4	12	1	0	2	2	7	2	5.61394 - 5	64	4	12	0	1	2	0	10	1	4.25342 - 5	116
4	12	0	2	1	2	8	1	9.68118 - 5	64	4	12	2	0	1	0	9	2	2.91730 - 7	116
4	12	2	1	0	3	8	0	7.60037 - 5	64	4	12	2	0	1	1	10	0	2.59905 - 7	116
4	12	0	1	2	1	7	3	4.13885 - 4	68	4	12	1	2	0	0	10	1	7.55666 - 5	116
4	12	0	1	2	2	8	1	2.42030 - 5	68	4	12	1	1	1	0	10	1	4.86216 - 5	120
4	12	2	0	1	2	7	2	2.57783 - 6	68	4	12	0	3	0	0	11	0	2.75082 - 3	120
4	12	2	0	1	3	8	0	1.91481 - 6	68	4	12	3	0	0	1	10	0	6.36501 - 8	120
4	12	1	2	0	2	8	1	1.37489 - 4	68	4	12	1	0	2	0	10	1	5.25113 - 7	124
4	12	0	0	3	1	7	3	1.54670 - 4	72	4	12	0	2	1	0	11	0	9.38255 - 5	124
4	12	1	1	1	2	8	1	2.90435 - 4	72	4	12	2	1	0	0	10	1	1.14315 - 6	124
4	12	0	3	0	2	9	0	4.18755 - 6	72	4	12	2	0	1	0	10	1	2.33384 - 7	128
4	12	3	0	0	3	8	0	4.91127 - 7	72	4	12	1	2	0	0	11	0	8.92429 - 5	128
4	12	1	0	2	1	7	3	1.43213 - 6	76	4	12	1	1	1	0	11	0	1.69910 - 6	132
4	12	1	0	2	2	8	1	3.58032 - 6	76	4	12	3	0	0	0	10	1	2.16096 - 9	132
4	12	0	2	1	1	8	2	5.22010 - 4	76	4	12	2	1	0	0	11	0	6.60861 - 7	136
4	12	0	2	1	2	9	0	1.37489 - 4	76	4	12	2	0	1	0	11	0	5.30417 - 9	140
4	12	2	1	0	2	8	1	7.26141 - 6	76	4	12	3	0	0	0	11	0	7.85804 -10	144
4	12	0	1	2	1	8	2	4.84059 - 4	80										
4	12	2	0	1	2	8	1	5.72851 - 7	80	4	13	0	0	3	4	4	4	2.42580 - 4	0
4	12	1	2	0	2	9	0	6.46440 - 4	80	4	13	0	0	3	5	5	2	1.45981 - 5	0
4	12	0	0	3	0	7	4	4.72602 - 5	84	4	13	1	1	1	5	5	2	2.72863 - 4	0
4	12	0	0	3	1	8	2	2.14819 - 6	84	4	13	1	1	1	6	6	0	1.06512 - 4	0
4	12	1	1	1	1	8	2	2.38688 - 7	84	4	13	0	3	0	5	6	1	4.48527 - 7	1
4	12	1	1	1	2	9	0	6.15461 - 6	84	4	13	1	0	2	5	5	2	4.60542 - 5	4
4	12	0	3	0	1	9	1	3.13560 - 4	84	4	13	2	1	0	6	6	0	8.05716 - 5	4

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Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X
4	13	0	2	1	5	6	1	6.43773 - 5	5	4	13	2	0	1	4	8	0	1.15348 - 6	60
4	13	2	0	1	5	5	2	1.77267 - 5	8	4	13	0	1	2	2	7	3	3.29920 - 4	61
4	13	2	0	1	6	6	0	4.99866 - 6	8	4	13	0	1	2	3	8	1	3.50446 - 5	61
4	13	0	1	2	4	5	3	2.15584 - 4	9	4	13	1	2	0	3	8	1	1.65419 - 4	61
4	13	0	1	2	5	6	1	3.19871 - 5	9	4	13	3	0	0	4	8	0	1.00590 - 8	64
4	13	1	2	0	5	6	1	1.40014 - 4	9	4	13	0	0	3	2	7	3	9.28241 - 5	65
4	13	3	0	0	6	6	0	1.16964 - 5	12	4	13	1	1	1	3	8	1	2.30694 - 4	65
4	13	0	0	3	4	5	3	6.06451 - 6	13	4	13	0	3	0	3	9	0	1.27146 - 5	66
4	13	1	1	1	5	6	1	1.90322 - 5	13	4	13	1	0	2	2	7	3	2.17917 - 6	69
4	13	0	3	0	5	7	0	2.87050 - 5	14	4	13	1	0	2	3	8	1	5.83855 - 7	69
4	13	1	0	2	4	5	3	1.08522 - 4	17	4	13	2	1	0	3	8	1	2.71713 - 7	69
4	13	1	0	2	5	6	1	1.28696 - 5	17	4	13	0	2	1	2	8	2	3.01361 - 4	70
4	13	2	1	0	5	6	1	6.17841 - 5	17	4	13	0	2	1	3	9	0	1.00902 - 4	70
4	13	0	2	1	4	6	2	7.46503 - 5	18	4	13	2	0	1	3	8	1	1.70890 - 6	73
4	13	0	2	1	5	7	0	2.72402 - 5	18	4	13	0	1	2	2	8	2	1.82376 - 4	74
4	13	2	0	1	5	6	1	5.22523 - 5	21	4	13	1	2	0	3	9	0	2.85987 - 4	74
4	13	0	1	2	4	6	2	2.05465 - 6	22	4	13	3	0	0	3	8	1	1.54992 - 7	77
4	13	1	2	0	5	7	0	3.36278 - 6	22	4	13	0	0	3	1	7	4	8.16852 - 5	78
4	13	3	0	0	5	6	1	2.07508 - 7	25	4	13	0	0	3	2	8	2	6.12784 - 8	78
4	13	0	0	3	3	5	4	2.18322 - 4	26	4	13	1	1	1	2	8	2	2.20807 - 5	78
4	13	0	0	3	4	6	2	1.12136 - 5	26	4	13	1	1	1	3	9	0	1.66294 - 6	78
4	13	1	1	1	4	6	2	2.24415 - 4	26	4	13	0	3	0	2	9	1	1.19473 - 4	79
4	13	1	1	1	5	7	0	8.27105 - 5	26	4	13	1	0	2	2	8	2	2.62899 - 5	82
4	13	0	3	0	4	7	1	8.77776 - 6	27	4	13	2	1	0	3	9	0	3.24220 - 5	82
4	13	1	0	2	4	6	2	8.42629 - 5	30	4	13	0	2	1	2	9	1	1.21274 - 4	83
4	13	2	1	0	5	7	0	1.43700 - 4	30	4	13	2	0	1	2	8	2	1.61869 - 6	86
4	13	0	2	1	4	7	1	3.14291 - 5	31	4	13	2	0	1	3	9	0	1.07574 - 6	86
4	13	2	0	1	4	6	2	7.99165 - 7	34	4	13	0	1	2	1	8	3	2.54266 - 4	87
4	13	2	0	1	5	7	0	1.76150 -10	34	4	13	0	1	2	2	9	1	1.03989 - 5	87
4	13	0	1	2	3	6	3	3.07743 - 4	35	4	13	1	2	0	2	9	1	6.88222 - 5	87
4	13	0	1	2	4	7	1	4.40306 - 5	35	4	13	3	0	0	3	9	0	3.70752 - 7	90
4	13	1	2	0	4	7	1	1.92142 - 4	35	4	13	0	0	3	1	8	3	1.00064 - 4	91
4	13	3	0	0	5	7	0	1.81576 - 6	38	4	13	1	1	1	2	9	1	1.69345 - 4	91
4	13	0	0	3	3	6	3	4.67834 - 5	39	4	13	0	3	0	2	10	0	1.52717 - 5	92
4	13	1	1	1	4	7	1	1.37287 - 4	39	4	13	1	0	2	1	8	3	1.90543 - 6	95
4	13	0	3	0	4	8	0	3.54753 - 5	40	4	13	1	0	2	2	9	1	2.63591 - 6	95
4	13	1	0	2	3	6	3	3.24404 - 5	43	4	13	2	1	0	2	9	1	5.80548 - 6	95
4	13	1	0	2	4	7	1	1.41508 - 6	43	4	13	0	2	1	1	9	2	3.56681 - 4	96
4	13	2	1	0	4	7	1	1.08024 - 5	43	4	13	0	2	1	2	10	0	8.48598 - 5	96
4	13	0	2	1	3	7	2	1.79905 - 4	44	4	13	2	0	1	2	9	1	8.83345 - 7	99
4	13	0	2	1	4	8	0	6.73053 - 5	44	4	13	0	1	2	1	9	2	3.51938 - 4	100
4	13	2	0	1	4	7	1	2.02266 - 5	47	4	13	1	2	0	2	10	0	4.49852 - 4	100
4	13	0	1	2	3	7	2	3.49838 - 5	48	4	13	3	0	0	2	9	1	6.22059 -11	103
4	13	1	2	0	4	8	0	6.06864 - 5	48	4	13	0	0	3	0	8	4	2.45056 - 5	104
4	13	3	0	0	4	7	1	4.67135 - 7	51	4	13	0	0	3	1	9	2	2.17176 - 6	104
4	13	0	0	3	2	6	4	1.55945 - 4	52	4	13	1	1	1	1	9	2	1.76418 - 6	104
4	13	0	0	3	3	7	2	4.18144 - 6	52	4	13	1	1	1	2	10	0	6.86177 - 6	104
4	13	1	1	1	3	7	2	1.14554 - 4	52	4	13	0	3	0	1	10	1	2.35085 - 4	105
4	13	1	1	1	4	8	0	3.30680 - 5	52	4	13	1	0	2	1	9	2	4.36179 - 7	108
4	13	0	3	0	3	8	1	4.20418 - 5	53	4	13	2	1	0	2	10	0	5.51118 - 8	108
4	13	1	0	2	3	7	2	7.10353 - 5	56	4	13	0	2	1	1	10	1	5.37168 - 4	109
4	13	2	1	0	4	8	0	1.11372 - 4	56	4	13	2	0	1	1	9	2	2.85648 - 7	112
4	13	0	2	1	3	8	1	6.29556 - 7	57	4	13	2	0	1	2	10	0	7.43904 - 8	112
4	13	2	0	1	3	7	2	8.65026 - 7	60	4	13	0	1	2	0	9	3	1.13109 - 4	113

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	13	0	1	2	1	10	1	1.27603 - 6	113	4	14	1	1	1	5	6	2	1.86052 - 4	14
4	13	1	2	0	1	10	1	4.18510 - 7	113	4	14	1	1	1	6	7	0	7.17878 - 5	14
4	13	3	0	0	2	10	0	9.53594 - 8	116	4	14	0	3	0	5	7	1	1.71399 - 6	16
4	13	0	0	3	0	9	3	5.51375 - 5	117	4	14	1	0	2	5	6	2	4.81484 - 5	18
4	13	1	1	1	1	10	1	2.43572 - 5	117	4	14	2	1	0	6	7	0	8.42639 - 5	18
4	13	0	3	0	1	11	0	3.61164 - 4	118	4	14	0	2	1	5	7	1	3.88725 - 5	20
4	13	1	0	2	0	9	3	4.95504 - 6	121	4	14	2	0	1	5	6	2	4.73189 - 6	22
4	13	1	0	2	1	10	1	1.09178 - 6	121	4	14	2	0	1	6	7	0	9.00245 - 7	22
4	13	2	1	0	1	10	1	3.05323 - 6	121	4	14	0	1	2	4	6	3	1.83928 - 4	24
4	13	0	2	1	0	10	2	2.50526 - 4	122	4	14	0	1	2	5	7	1	2.76597 - 5	24
4	13	0	2	1	1	11	0	1.43561 - 5	122	4	14	1	2	0	5	7	1	1.20598 - 4	24
4	13	2	0	1	1	10	1	1.54050 - 6	125	4	14	3	0	0	6	7	0	4.35479 - 6	26
4	13	0	1	2	0	10	2	3.27482 - 4	126	4	14	0	0	3	4	6	3	1.38083 - 5	28
4	13	1	2	0	1	11	0	2.25941 - 4	126	4	14	1	1	1	5	7	1	4.31380 - 5	28
4	13	3	0	0	1	10	1	3.08934 - 8	129	4	14	0	3	0	5	8	0	2.42488 - 5	30
4	13	0	0	3	0	10	2	5.23376 - 6	130	4	14	1	0	2	4	6	3	5.07770 - 5	32
4	13	1	1	1	0	10	2	2.40800 - 5	130	4	14	1	0	2	5	7	1	4.73189 - 6	32
4	13	1	1	1	1	11	0	1.32527 - 5	130	4	14	2	1	0	5	7	1	2.52702 - 5	32
4	13	0	3	0	0	11	1	2.94763 - 4	131	4	14	0	2	1	4	7	2	7.94749 - 5	34
4	13	1	0	2	0	10	2	7.52546 - 6	134	4	14	0	2	1	5	8	0	2.98273 - 5	34
4	13	2	1	0	1	11	0	1.25499 - 5	134	4	14	2	0	1	5	7	1	2.78254 - 5	36
4	13	0	2	1	0	11	1	9.97468 - 4	135	4	14	0	1	2	4	7	2	1.21014 - 6	38
4	13	2	0	1	0	10	2	2.25430 - 7	138	4	14	1	2	0	5	8	0	2.32594 - 6	38
4	13	2	0	1	1	11	0	1.91328 - 7	138	4	14	3	0	0	5	7	1	2.81300 - 7	40
4	13	0	1	2	0	11	1	3.06612 - 5	139	4	14	0	0	3	3	6	4	1.38082 - 4	42
4	13	1	2	0	0	11	1	5.56442 - 5	139	4	14	0	0	3	4	7	2	6.02790 - 6	42
4	13	3	0	0	1	11	0	5.03889 - 8	142	4	14	1	1	1	4	7	2	1.31766 - 4	42
4	13	1	1	1	0	11	1	3.77368 - 5	143	4	14	1	1	1	5	8	0	4.56135 - 5	42
4	13	0	3	0	0	12	0	1.99881 - 3	144	4	14	0	3	0	4	8	1	1.22244 - 5	44
4	13	1	0	2	0	11	1	4.32928 - 7	147	4	14	1	0	2	4	7	2	6.03129 - 5	46
4	13	2	1	0	0	11	1	9.54993 - 7	147	4	14	2	1	0	5	8	0	1.01071 - 4	46
4	13	0	2	1	0	12	0	7.26780 - 5	148	4	14	0	2	1	4	8	1	9.89568 - 6	48
4	13	2	0	1	0	11	1	2.07498 - 7	151	4	14	2	0	1	4	7	2	2.36880 - 9	50
4	13	1	2	0	0	12	0	7.41913 - 5	152	4	14	2	0	1	5	8	0	1.94056 - 7	50
4	13	3	0	0	0	11	1	2.07191 - 9	155	4	14	0	1	2	3	7	3	2.29855 - 4	52
4	13	1	1	1	0	12	0	1.51422 - 6	156	4	14	0	1	2	4	8	1	3.07721 - 5	52
4	13	2	1	0	0	12	0	6.33718 - 7	160	4	14	1	2	0	4	8	1	1.37310 - 4	52
4	13	2	0	1	0	12	0	5.47114 - 9	164	4	14	3	0	0	5	8	0	3.78177 - 7	54
4	13	3	0	0	0	12	0	8.74087 -10	168	4	14	0	0	3	3	7	3	4.50882 - 5	56
										4	14	1	1	1	4	8	1	1.28586 - 4	56
4	14	0	0	3	5	5	3	0.00000	0	4	14	0	3	0	4	9	0	2.20348 - 5	58
4	14	1	1	1	6	6	1	0.00000	0	4	14	1	0	2	3	7	3	1.24654 - 5	60
4	14	0	3	0	6	7	0	1.40141 - 5	2	4	14	1	0	2	4	8	1	1.37994 - 7	60
4	14	1	0	2	5	5	3	1.14129 - 4	4	4	14	2	1	0	4	8	1	2.45173 - 6	60
4	14	1	0	2	6	6	1	1.58273 - 5	4	4	14	0	2	1	3	8	2	1.56618 - 4	62
4	14	2	1	0	6	6	1	7.17878 - 5	4	4	14	0	2	1	4	9	0	5.75209 - 5	62
4	14	0	2	1	5	6	2	2.76597 - 5	6	4	14	2	0	1	4	8	1	8.29231 - 6	64
4	14	0	2	1	6	7	0	9.26174 - 6	6	4	14	0	1	2	3	8	2	4.98366 - 5	66
4	14	2	0	1	6	6	1	4.49541 - 5	8	4	14	1	2	0	4	9	0	8.48565 - 5	66
4	14	0	1	2	5	6	2	1.48606 - 5	10	4	14	3	0	0	4	8	1	2.76364 - 7	68
4	14	1	2	0	6	7	0	2.60074 - 5	10	4	14	0	0	3	2	7	4	9.29943 - 5	70
4	14	3	0	0	6	6	1	6.31890 -11	12	4	14	0	0	3	3	8	2	1.61815 - 6	70
4	14	0	0	3	4	5	4	1.65699 - 4	14	4	14	1	1	1	3	8	2	5.73232 - 5	70
4	14	0	0	3	5	6	2	9.70893 - 6	14	4	14	1	1	1	4	9	0	1.38904 - 5	70

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	14	0	3	0	3	9	1	4.26104 - 5	72	4	14	2	1	0	2	11	0	6.93766 - 7	130
4	14	1	0	2	3	8	2	4.13448 - 5	74	4	14	0	2	1	1	11	1	4.33372 - 4	132
4	14	2	1	0	4	9	0	6.21412 - 5	74	4	14	2	0	1	1	10	2	1.07876 - 7	134
4	14	0	2	1	3	9	1	8.23733 - 6	76	4	14	2	0	1	2	11	0	1.51622 - 8	134
4	14	2	0	1	3	8	2	9.50190 - 7	78	4	14	0	1	2	0	10	3	6.79764 - 5	136
4	14	2	0	1	4	9	0	9.61462 - 7	78	4	14	0	1	2	1	11	1	2.17050 - 6	136
4	14	0	1	2	2	8	3	2.24450 - 4	80	4	14	1	2	0	1	11	1	1.30018 - 7	136
4	14	0	1	2	3	9	1	2.03048 - 5	80	4	14	3	0	0	2	11	0	3.79386 - 8	138
4	14	1	2	0	3	9	1	1.01482 - 4	80	4	14	0	0	3	0	10	3	3.35813 - 5	140
4	14	3	0	0	4	9	0	8.13917 - 8	82	4	14	1	1	1	1	11	1	9.46725 - 6	140
4	14	0	0	3	2	8	3	6.97458 - 5	84	4	14	0	3	0	1	12	0	3.21262 - 4	142
4	14	1	1	1	3	9	1	1.63477 - 4	84	4	14	1	0	2	0	10	3	3.21250 - 6	144
4	14	0	3	0	3	10	0	3.39995 - 6	86	4	14	1	0	2	1	11	1	5.57062 - 7	144
4	14	1	0	2	2	8	3	2.66884 - 7	88	4	14	2	1	0	1	11	1	1.61167 - 6	144
4	14	1	0	2	3	9	1	8.77486 - 7	88	4	14	0	2	1	0	11	2	1.63158 - 4	146
4	14	2	1	0	3	9	1	1.06654 - 6	88	4	14	0	2	1	1	12	0	5.90641 - 6	146
4	14	0	2	1	2	9	2	2.30543 - 4	90	4	14	2	0	1	1	11	1	9.03149 - 7	148
4	14	0	2	1	3	10	0	7.31949 - 5	90	4	14	0	1	2	0	11	2	2.15959 - 4	150
4	14	2	0	1	3	9	1	2.57325 - 7	92	4	14	1	2	0	1	12	0	1.31663 - 4	150
4	14	0	1	2	2	9	2	1.60488 - 4	94	4	14	3	0	0	1	11	1	1.98792 - 8	152
4	14	1	2	0	3	10	0	2.45067 - 4	94	4	14	0	0	3	0	11	2	3.57755 - 6	154
4	14	3	0	0	3	9	1	5.95122 - 8	96	4	14	1	1	1	0	11	2	1.69002 - 5	154
4	14	0	0	3	1	8	4	4.64972 - 5	98	4	14	1	1	1	1	12	0	8.52816 - 6	154
4	14	0	0	3	2	9	2	2.42173 - 8	98	4	14	0	3	0	0	12	1	2.05879 - 4	156
4	14	1	1	1	2	9	2	7.55557 - 6	98	4	14	1	0	2	0	11	2	5.47585 - 6	158
4	14	1	1	1	3	10	0	4.61356 - 8	98	4	14	2	1	0	1	12	0	8.66322 - 6	158
4	14	0	3	0	2	10	1	1.01753 - 4	100	4	14	0	2	1	0	12	1	7.04130 - 4	160
4	14	1	0	2	2	9	2	1.22782 - 5	102	4	14	2	0	1	0	11	2	1.74612 - 7	162
4	14	2	1	0	3	10	0	1.33377 - 5	102	4	14	2	0	1	1	12	0	1.41042 - 7	162
4	14	0	2	1	2	10	1	1.30290 - 4	104	4	14	0	1	2	0	12	1	2.25884 - 5	164
4	14	2	0	1	2	9	2	9.77670 - 7	106	4	14	1	2	0	0	12	1	4.17283 - 5	164
4	14	2	0	1	3	10	0	5.84497 - 7	106	4	14	3	0	0	1	12	0	3.95129 - 8	166
4	14	0	1	2	1	9	3	1.61333 - 4	108	4	14	1	1	1	0	12	1	2.95584 - 5	168
4	14	0	1	2	2	10	1	4.19098 - 6	108	4	14	0	3	0	0	13	0	1.49229 - 3	170
4	14	1	2	0	2	10	1	3.43514 - 5	108	4	14	1	0	2	0	12	1	3.56500 - 7	172
4	14	3	0	0	3	10	0	2.51360 - 7	110	4	14	2	1	0	0	12	1	7.95138 - 7	172
4	14	0	0	3	1	9	3	6.61293 - 5	112	4	14	0	2	1	0	13	0	5.72389 - 5	174
4	14	1	1	1	2	10	1	9.94561 - 5	112	4	14	2	0	1	0	12	1	1.81888 - 7	176
4	14	0	3	0	2	11	0	2.61083 - 5	114	4	14	1	2	0	0	13	0	6.19648 - 5	178
4	14	1	0	2	1	9	3	1.91366 - 6	116	4	14	3	0	0	0	12	1	1.93333 - 9	180
4	14	1	0	2	2	10	1	1.85574 - 6	116	4	14	1	1	1	0	13	0	1.33992 - 6	182
4	14	2	1	0	2	10	1	4.31826 - 6	116	4	14	2	1	0	0	13	0	5.95896 - 7	186
4	14	0	2	1	1	10	2	2.48939 - 4	118	4	14	2	0	1	0	13	0	5.46538 - 9	190
4	14	0	2	1	2	11	0	5.30150 - 5	118	4	14	3	0	0	0	13	0	9.29487 -10	194
4	14	2	0	1	2	10	1	9.21586 - 7	120										
4	14	0	1	2	1	10	2	2.57813 - 4	122	4	15	0	0	3	5	5	4	1.22297 - 4	0
4	14	1	2	0	2	11	0	3.14198 - 4	122	4	15	0	0	3	6	6	2	7.43272 - 6	0
4	14	3	0	0	2	10	1	2.42129 - 9	124	4	15	1	1	1	6	6	2	1.41758 - 4	0
4	14	0	0	3	0	9	4	1.34325 - 5	126	4	15	1	1	1	7	7	0	5.53441 - 5	0
4	14	0	0	3	1	10	2	1.97774 - 6	126	4	15	0	3	0	6	7	1	2.13364 - 7	3
4	14	1	1	1	1	10	2	2.98660 - 6	126	4	15	1	0	2	6	6	2	2.31435 - 5	4
4	14	1	1	1	2	11	0	6.49857 - 6	126	4	15	2	1	0	7	7	0	4.09558 - 5	4
4	14	0	3	0	1	11	1	1.78480 - 4	128	4	15	0	2	1	6	7	1	3.34128 - 5	7
4	14	1	0	2	1	10	2	2.47116 - 9	130	4	15	2	0	1	6	6	2	9.85500 - 6	8

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	15	2	0	1	7	7	0	2.80981 - 6	8	4	15	0	1	2	4	9	1	2.09331 - 5	71
4	15	0	1	2	5	6	3	1.07804 - 4	11	4	15	1	2	0	4	9	1	9.61422 - 5	71
4	15	0	1	2	6	7	1	1.59673 - 5	11	4	15	3	0	0	5	9	0	4.14404 - 8	72
4	15	1	2	0	6	7	1	7.07837 - 5	11	4	15	0	0	3	3	8	3	3.97199 - 5	75
4	15	3	0	0	7	7	0	6.42128 - 6	12	4	15	1	1	1	4	9	1	1.09209 - 4	75
4	15	0	0	3	5	6	3	2.26476 - 6	15	4	15	0	3	0	4	10	0	1.25600 - 5	78
4	15	1	1	1	6	7	1	7.31438 - 6	15	4	15	1	0	2	3	8	3	4.60884 - 6	79
4	15	0	3	0	6	8	0	1.40510 - 5	18	4	15	1	0	2	4	9	1	9.91728 - 9	79
4	15	1	0	2	5	6	3	6.04710 - 5	19	4	15	2	1	0	4	9	1	2.82511 - 7	79
4	15	1	0	2	6	7	1	7.40947 - 6	19	4	15	0	2	1	3	9	2	1.32539 - 4	82
4	15	2	1	0	6	7	1	3.54958 - 5	19	4	15	0	2	1	4	10	0	4.73724 - 5	82
4	15	0	2	1	5	7	2	3.43120 - 5	22	4	15	2	0	1	4	9	1	3.22166 - 6	83
4	15	0	2	1	6	8	0	1.23667 - 5	22	4	15	0	1	2	3	9	2	5.66662 - 5	86
4	15	2	0	1	6	7	1	2.84478 - 5	23	4	15	1	2	0	4	10	0	9.46677 - 5	86
4	15	0	1	2	5	7	2	2.56262 - 6	26	4	15	3	0	0	4	9	1	1.51925 - 7	87
4	15	1	2	0	6	8	0	4.36983 - 6	26	4	15	0	0	3	2	8	4	5.71967 - 5	90
4	15	3	0	0	6	7	1	7.00587 - 8	27	4	15	0	0	3	3	9	2	5.47184 - 7	90
4	15	0	0	3	4	6	4	1.13238 - 4	30	4	15	1	1	1	3	9	2	2.85269 - 5	90
4	15	0	0	3	5	7	2	6.13093 - 6	30	4	15	1	1	1	4	10	0	5.39638 - 6	90
4	15	1	1	1	5	7	2	1.22952 - 4	30	4	15	0	3	0	3	10	1	4.09906 - 5	93
4	15	1	1	1	6	8	0	4.60106 - 5	30	4	15	1	0	2	3	9	2	2.39215 - 5	94
4	15	0	3	0	5	8	1	3.27382 - 6	33	4	15	2	1	0	4	10	0	3.41207 - 5	94
4	15	1	0	2	5	7	2	4.16550 - 5	34	4	15	0	2	1	3	10	1	1.80003 - 5	97
4	15	2	1	0	6	8	0	7.23122 - 5	34	4	15	2	0	1	3	9	2	8.20987 - 7	98
4	15	0	2	1	5	8	1	2.05983 - 5	37	4	15	2	0	1	4	10	0	7.07240 - 7	98
4	15	2	0	1	5	7	2	1.00881 - 6	38	4	15	0	1	2	2	9	3	1.54962 - 4	101
4	15	2	0	1	6	8	0	5.57028 - 8	38	4	15	0	1	2	3	10	1	1.16186 - 5	101
4	15	0	1	2	4	7	3	1.50649 - 4	41	4	15	1	2	0	3	10	1	6.22331 - 5	101
4	15	0	1	2	5	8	1	2.21929 - 5	41	4	15	3	0	0	4	10	0	1.19947 - 7	102
4	15	1	2	0	5	8	1	9.74052 - 5	41	4	15	0	0	3	2	9	3	5.19007 - 5	105
4	15	3	0	0	6	8	0	1.50991 - 6	42	4	15	1	1	1	3	10	1	1.13808 - 4	105
4	15	0	0	3	4	7	3	1.81990 - 5	45	4	15	0	3	0	3	11	0	2.55820 - 7	108
4	15	1	1	1	5	8	1	5.60044 - 5	45	4	15	1	0	2	2	9	3	8.82656 -10	109
4	15	0	3	0	5	9	0	1.87122 - 5	48	4	15	1	0	2	3	10	1	9.33733 - 7	109
4	15	1	0	2	4	7	3	2.38625 - 5	49	4	15	2	1	0	3	10	1	1.52279 - 6	109
4	15	1	0	2	5	8	1	1.53122 - 6	49	4	15	0	2	1	2	10	2	1.76615 - 4	112
4	15	2	1	0	5	8	1	9.73102 - 6	49	4	15	0	2	1	3	11	0	5.28658 - 5	112
4	15	0	2	1	4	8	2	7.77094 - 5	52	4	15	2	0	1	3	10	1	1.94589 - 9	113
4	15	0	2	1	5	9	0	2.93375 - 5	52	4	15	0	1	2	2	10	2	1.36260 - 4	116
4	15	2	0	1	5	8	1	1.42964 - 5	53	4	15	1	2	0	3	11	0	2.02123 - 4	116
4	15	0	1	2	4	8	2	7.59057 - 6	56	4	15	3	0	0	3	10	1	2.06490 - 8	117
4	15	1	2	0	5	9	0	1.37064 - 5	56	4	15	0	0	3	1	9	4	2.75392 - 5	120
4	15	3	0	0	5	8	1	2.42446 - 7	57	4	15	0	0	3	2	10	2	1.53004 - 7	120
4	15	0	0	3	3	7	4	8.89727 - 5	60	4	15	1	1	1	2	10	2	2.17723 - 6	120
4	15	0	0	3	4	8	2	3.13147 - 6	60	4	15	1	1	1	3	11	0	1.82859 - 7	120
4	15	1	1	1	4	8	2	7.68656 - 5	60	4	15	0	3	0	2	11	1	8.57723 - 5	123
4	15	1	1	1	5	9	0	2.44630 - 5	60	4	15	1	0	2	2	10	2	5.65035 - 6	124
4	15	0	3	0	4	9	1	1.45836 - 5	63	4	15	2	1	0	3	11	0	5.12658 - 6	124
4	15	1	0	2	4	8	2	4.11738 - 5	64	4	15	0	2	1	2	11	1	1.29145 - 4	127
4	15	2	1	0	5	9	0	6.73563 - 5	64	4	15	2	0	1	2	10	2	5.78260 - 7	128
4	15	0	2	1	4	9	1	1.48388 - 6	67	4	15	2	0	1	3	11	0	3.09443 - 7	128
4	15	2	0	1	4	8	2	1.27085 - 7	68	4	15	0	1	2	1	10	3	1.05310 - 4	131
4	15	2	0	1	5	9	0	3.78601 - 7	68	4	15	0	1	2	2	11	1	1.49152 - 6	131
4	15	0	1	2	3	8	3	1.70638 - 4	71	4	15	1	2	0	2	11	1	1.68956 - 5	131

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	15	3	0	0	3	11	0	1.60945 − 7	132	4	15	2	1	0	0	13	1	6.61816 − 7	199
4	15	0	0	3	1	10	3	4.46134 − 5	135	4	15	0	2	1	0	14	0	4.57320 − 5	202
4	15	1	1	1	2	11	1	5.87857 − 5	135	4	15	2	0	1	0	13	1	1.58083 − 7	203
4	15	0	3	0	2	12	0	3.43617 − 5	138	4	15	1	2	0	0	14	0	5.20255 − 5	206
4	15	1	0	2	1	10	3	1.70789 − 6	139	4	15	3	0	0	0	13	1	1.77112 − 9	207
4	15	1	0	2	2	11	1	1.27750 − 6	139	4	15	1	1	1	0	14	0	1.18131 − 6	210
4	15	2	1	0	2	11	1	3.09642 − 6	139	4	15	2	1	0	0	14	0	5.52970 − 7	214
4	15	0	2	1	1	11	2	1.77156 − 4	142	4	15	2	0	1	0	14	0	5.33707 − 9	218
4	15	0	2	1	2	12	0	3.34540 − 5	142	4	15	3	0	0	0	14	0	9.56720 −10	222
4	15	2	0	1	2	11	1	8.20990 − 7	143										
4	15	0	1	2	1	11	2	1.90754 − 4	146	4	16	0	0	3	6	6	3	0.00000	0
4	15	1	2	0	2	12	0	2.20888 − 4	146	4	16	1	1	1	7	7	1	0.00000	0
4	15	3	0	0	2	11	1	4.70358 − 9	147	4	16	1	0	2	6	6	3	6.27389 − 5	4
4	15	0	0	3	0	10	4	7.71096 − 6	150	4	16	1	0	2	7	7	1	8.72955 − 6	4
4	15	0	0	3	1	11	2	1.70990 − 6	150	4	16	0	3	0	7	8	0	7.50916 − 6	4
4	15	1	1	1	1	11	2	3.55919 − 6	150	4	16	2	1	0	7	7	1	3.99032 − 5	4
4	15	1	1	1	2	12	0	5.68497 − 6	150	4	16	0	2	1	6	7	2	1.44749 − 5	8
4	15	0	3	0	1	12	1	1.37192 − 4	153	4	16	0	2	1	7	8	0	4.79569 − 6	8
4	15	1	0	2	1	11	2	9.66381 − 8	154	4	16	2	0	1	7	7	1	2.46633 − 5	8
4	15	2	1	0	2	12	0	1.29881 − 6	154	4	16	0	1	2	6	7	2	8.96271 − 6	12
4	15	0	2	1	1	12	1	3.49621 − 4	157	4	16	1	2	0	7	8	0	1.58536 − 5	12
4	15	2	0	1	1	11	2	3.62967 − 8	158	4	16	3	0	0	7	7	1	1.44364 − 9	12
4	15	2	0	1	2	12	0	8.12625 −10	158	4	16	0	0	3	5	6	4	8.92287 − 5	16
4	15	0	1	2	0	11	3	4.24280 − 5	161	4	16	0	0	3	6	7	2	5.31123 − 6	16
4	15	0	1	2	1	12	1	2.69448 − 6	161	4	16	1	1	1	6	7	2	1.03118 − 4	16
4	15	1	2	0	1	12	1	9.56346 − 7	161	4	16	1	1	1	7	8	0	3.99032 − 5	16
4	15	3	0	0	2	12	0	1.36315 − 8	162	4	16	1	0	2	6	7	2	2.48964 − 5	20
4	15	0	0	3	0	11	3	2.12052 − 5	165	4	16	0	3	0	6	8	1	7.42037 − 7	20
4	15	1	1	1	1	12	1	3.27704 − 6	165	4	16	2	1	0	7	8	0	4.40378 − 5	20
4	15	0	3	0	1	13	0	2.82492 − 4	168	4	16	0	2	1	6	8	1	2.23214 − 5	24
4	15	1	0	2	0	11	3	2.13819 − 6	169	4	16	2	0	1	6	7	2	3.27154 − 6	24
4	15	1	0	2	1	12	1	2.82225 − 7	169	4	16	2	0	1	7	8	0	6.89705 − 7	24
4	15	2	1	0	1	12	1	8.49281 − 7	169	4	16	0	1	2	5	7	3	9.58677 − 5	28
4	15	0	2	1	0	12	2	1.09651 − 4	172	4	16	0	1	2	6	8	1	1.44749 − 5	28
4	15	0	2	1	1	13	0	2.17000 − 6	172	4	16	1	2	0	6	8	1	6.37172 − 5	28
4	15	2	0	1	1	12	1	5.32765 − 7	173	4	16	3	0	0	7	8	0	2.80417 − 6	28
4	15	0	1	2	0	12	2	1.46736 − 4	176	4	16	0	0	3	5	7	3	5.66532 − 6	32
4	15	1	2	0	1	13	0	7.80986 − 5	176	4	16	1	1	1	6	8	1	1.82084 − 5	32
4	15	3	0	0	1	12	1	1.28327 − 8	177	4	16	1	0	2	5	7	3	3.21330 − 5	36
4	15	0	0	3	0	12	2	2.50569 − 6	180	4	16	1	0	2	6	8	1	3.27154 − 6	36
4	15	1	1	1	0	12	2	1.21030 − 5	180	4	16	0	3	0	6	9	0	1.26324 − 5	36
4	15	1	1	1	1	13	0	5.58003 − 6	180	4	16	2	1	0	6	8	1	1.69767 − 5	36
4	15	0	3	0	0	13	1	1.47668 − 4	183	4	16	0	2	1	5	8	2	3.75963 − 5	40
4	15	1	0	2	0	12	2	4.04251 − 6	184	4	16	0	2	1	6	9	0	1.40161 − 5	40
4	15	2	1	0	1	13	0	6.04716 − 6	184	4	16	2	0	1	6	8	1	1.70737 − 5	40
4	15	0	2	1	0	13	1	5.09821 − 4	187	4	16	0	1	2	5	8	2	4.14941 − 9	44
4	15	2	0	1	0	12	2	1.35873 − 7	188	4	16	1	2	0	6	9	0	1.84663 − 8	44
4	15	2	0	1	1	13	0	1.04337 − 7	188	4	16	3	0	0	6	8	1	1.25250 − 7	44
4	15	0	1	2	0	13	1	1.69568 − 5	191	4	16	0	0	3	4	7	4	7.78981 − 5	48
4	15	1	2	0	0	13	1	3.17998 − 5	191	4	16	0	0	3	5	8	2	3.73999 − 6	48
4	15	3	0	0	1	13	0	3.08409 − 8	192	4	16	1	1	1	5	8	2	7.99177 − 5	48
4	15	1	1	1	0	13	1	2.33665 − 5	195	4	16	1	1	1	6	9	0	2.85557 − 5	48
4	15	0	3	0	0	14	0	1.13941 − 3	198	4	16	1	0	2	5	8	2	3.28674 − 5	52
4	15	1	0	2	0	13	1	2.93956 − 7	199	4	16	0	3	0	5	9	1	4.74663 − 6	52

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	16	2	1	0	6	9	0	5.62617 - 5	52	4	16	2	0	1	3	10	2	6.35849 - 7	120
4	16	0	2	1	5	9	1	9.29914 - 6	56	4	16	2	0	1	4	11	0	4.87040 - 7	120
4	16	2	0	1	5	8	2	1.11661 - 7	56	4	16	0	1	2	2	10	3	1.08614 - 4	124
4	16	2	0	1	6	9	0	2.12760 - 8	56	4	16	0	1	2	3	11	1	6.54716 - 6	124
4	16	0	1	2	4	8	3	1.20727 - 4	60	4	16	1	2	0	3	11	1	3.81653 - 5	124
4	16	0	1	2	5	9	1	1.70305 - 5	60	4	16	3	0	0	4	11	0	1.20798 - 7	124
4	16	1	2	0	5	9	1	7.57682 - 5	60	4	16	0	0	3	2	10	3	3.85781 - 5	128
4	16	3	0	0	6	9	0	4.67455 - 7	60	4	16	1	1	1	3	11	1	7.85659 - 5	128
4	16	0	0	3	4	8	3	1.94745 - 5	64	4	16	1	0	2	2	10	3	1.13022 - 7	132
4	16	1	1	1	5	9	1	5.85817 - 5	64	4	16	1	0	2	3	11	1	8.56555 - 7	132
4	16	1	0	2	4	8	3	1.11826 - 5	68	4	16	0	3	0	3	12	0	2.73906 - 7	132
4	16	1	0	2	5	9	1	3.85450 - 7	68	4	16	2	1	0	3	11	1	1.61674 - 6	132
4	16	0	3	0	5	10	0	1.34950 - 5	68	4	16	0	2	1	2	11	2	1.35925 - 4	136
4	16	2	1	0	5	9	1	3.39045 - 6	68	4	16	0	2	1	3	12	0	3.81653 - 5	136
4	16	0	2	1	4	9	2	7.22104 - 5	72	4	16	2	0	1	3	11	1	4.74217 - 8	136
4	16	0	2	1	5	10	0	2.70715 - 5	72	4	16	0	1	2	2	11	2	1.13484 - 4	140
4	16	2	0	1	5	9	1	7.13997 - 6	72	4	16	1	2	0	3	12	0	1.63184 - 4	140
4	16	0	1	2	4	9	2	1.43777 - 5	76	4	16	3	0	0	3	11	1	5.94532 - 9	140
4	16	1	2	0	5	10	0	2.54165 - 5	76	4	16	0	0	3	1	10	4	1.68779 - 5	144
4	16	3	0	0	5	9	1	1.74972 - 7	76	4	16	0	0	3	2	11	2	2.73992 - 7	144
4	16	0	0	3	3	8	4	5.84236 - 5	80	4	16	1	1	1	2	11	2	4.06975 - 7	144
4	16	0	0	3	4	9	2	1.56492 - 6	80	4	16	1	1	1	3	12	0	6.42095 - 7	144
4	16	1	1	1	4	9	2	4.46872 - 5	80	4	16	1	0	2	2	11	2	2.51730 - 6	148
4	16	1	1	1	5	10	0	1.27570 - 5	80	4	16	0	3	0	2	12	1	7.19659 - 5	148
4	16	1	0	2	4	9	2	2.74186 - 5	84	4	16	2	1	0	3	12	0	1.73228 - 6	148
4	16	0	3	0	4	10	1	1.58887 - 5	84	4	16	0	2	1	2	12	1	1.22183 - 4	152
4	16	2	1	0	5	10	0	4.35267 - 5	84	4	16	2	0	1	2	11	2	3.37340 - 7	152
4	16	0	2	1	4	10	1	6.42627 - 8	88	4	16	2	0	1	3	12	0	1.59425 - 7	152
4	16	2	0	1	4	9	2	2.81323 - 7	88	4	16	0	1	2	1	11	3	7.04845 - 5	156
4	16	2	0	1	5	10	0	4.23967 - 7	88	4	16	0	1	2	2	12	1	4.06975 - 7	156
4	16	0	1	2	3	9	3	1.26758 - 4	92	4	16	1	2	0	2	12	1	8.05473 - 6	156
4	16	0	1	2	4	10	1	1.39975 - 5	92	4	16	3	0	0	3	12	0	9.94626 - 8	156
4	16	1	2	0	4	10	1	6.65824 - 5	92	4	16	0	0	3	1	11	3	3.06871 - 5	160
4	16	3	0	0	5	10	0	4.74834 -10	92	4	16	1	1	1	2	12	1	3.48957 - 5	160
4	16	0	0	3	3	9	3	3.33849 - 5	96	4	16	1	0	2	1	11	3	1.43846 - 6	164
4	16	1	1	1	4	10	1	8.79289 - 5	96	4	16	1	0	2	2	12	1	8.69337 - 7	164
4	16	1	0	2	3	9	3	1.56492 - 6	100	4	16	0	3	0	2	13	0	3.97645 - 5	164
4	16	1	0	2	4	10	1	1.30546 - 7	100	4	16	2	1	0	2	12	1	2.17706 - 6	164
4	16	0	3	0	4	11	0	6.44850 - 6	100	4	16	0	2	1	1	12	2	1.28325 - 4	168
4	16	2	1	0	4	10	1	6.67413 - 9	100	4	16	0	2	1	2	13	0	2.12716 - 5	168
4	16	0	2	1	3	10	2	1.10408 - 4	104	4	16	2	0	1	2	12	1	6.75632 - 7	168
4	16	0	2	1	4	11	0	3.81653 - 5	104	4	16	0	1	2	1	12	2	1.42677 - 4	172
4	16	2	0	1	4	10	1	1.14354 - 6	104	4	16	1	2	0	2	13	0	1.56485 - 4	172
4	16	0	1	2	3	10	2	5.76150 - 5	108	4	16	3	0	0	2	12	1	5.73049 - 9	172
4	16	1	2	0	4	11	0	9.43154 - 5	108	4	16	0	0	3	0	11	4	4.60307 - 6	176
4	16	3	0	0	4	10	1	7.94605 - 8	108	4	16	0	0	3	1	12	2	1.43846 - 6	176
4	16	0	0	3	2	9	4	3.61670 - 5	112	4	16	1	1	1	1	12	2	3.65374 - 6	176
4	16	0	0	3	3	10	2	1.39104 - 7	112	4	16	1	1	1	2	13	0	4.76443 - 6	176
4	16	1	1	1	3	10	2	1.39975 - 5	112	4	16	1	0	2	1	12	2	2.69711 - 7	180
4	16	1	1	1	4	11	0	1.82014 - 6	112	4	16	0	3	0	1	13	1	1.06706 - 4	180
4	16	1	0	2	3	10	2	1.37974 - 5	116	4	16	2	1	0	2	13	0	1.62864 - 6	180
4	16	0	3	0	3	11	1	3.81653 - 5	116	4	16	0	2	1	1	13	1	2.82886 - 4	184
4	16	2	1	0	4	11	0	1.84590 - 5	116	4	16	2	0	1	1	12	2	9.48203 - 9	184
4	16	0	2	1	3	11	1	2.61886 - 5	120	4	16	2	0	1	2	13	0	9.57320 -10	184

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	16	0	1	2	0	12	3	2.73487 - 5	188	4	17	1	2	0	7	8	1	3.97493 - 5	13
4	16	0	1	2	1	13	1	2.90631 - 6	188	4	17	0	0	3	6	7	3	9.83688 - 7	17
4	16	1	2	0	1	13	1	1.82043 - 6	188	4	17	1	1	1	7	8	1	3.23795 - 6	17
4	16	3	0	0	2	13	0	3.98924 - 9	188	4	17	1	0	2	6	7	3	3.64549 - 5	21
4	16	0	0	3	0	12	3	1.38092 - 5	192	4	17	1	0	2	7	8	1	4.56788 - 6	21
4	16	1	1	1	1	13	1	8.76561 - 7	192	4	17	2	1	0	7	8	1	2.18477 - 5	21
4	16	1	0	2	0	12	3	1.45644 - 6	196	4	17	0	3	0	7	9	0	7.67068 - 6	22
4	16	1	0	2	1	13	1	1.40042 - 7	196	4	17	2	0	1	7	8	1	1.68309 - 5	25
4	16	0	3	0	1	14	0	2.46980 - 4	196	4	17	0	2	1	6	8	2	1.78484 - 5	26
4	16	2	1	0	1	13	1	4.42293 - 7	196	4	17	0	2	1	7	9	0	6.35642 - 6	26
4	16	0	2	1	0	13	2	7.56929 - 5	200	4	17	3	0	0	7	8	1	2.63572 - 8	29
4	16	0	2	1	1	14	0	6.22886 - 7	200	4	17	0	1	2	6	8	2	2.32591 - 6	30
4	16	2	0	1	1	13	1	3.15095 - 7	200	4	17	1	2	0	7	9	0	4.04475 - 6	30
4	16	0	1	2	0	13	2	1.02279 - 4	204	4	17	0	0	3	5	7	4	6.49234 - 5	34
4	16	1	2	0	1	14	0	4.68939 - 5	204	4	17	0	0	3	6	8	2	3.63551 - 6	34
4	16	3	0	0	1	13	1	8.30817 - 9	204	4	17	1	1	1	6	8	2	7.30347 - 5	34
4	16	0	0	3	0	13	2	1.79254 - 6	208	4	17	1	1	1	7	9	0	2.76021 - 5	34
4	16	1	1	1	0	13	2	8.82441 - 6	208	4	17	1	0	2	6	8	2	2.28125 - 5	38
4	16	1	1	1	1	14	0	3.70239 - 6	208	4	17	2	1	0	7	9	0	4.00727 - 5	38
4	16	1	0	2	0	13	2	3.02491 - 6	212	4	17	0	3	0	6	9	1	1.41972 - 6	39
4	16	0	3	0	0	14	1	1.08337 - 4	212	4	17	2	0	1	6	8	2	9.47879 - 7	42
4	16	2	1	0	1	14	0	4.26487 - 6	212	4	17	2	0	1	7	9	0	9.93165 - 8	42
4	16	0	2	1	0	14	1	3.77184 - 4	216	4	17	0	2	1	6	9	1	1.35571 - 5	43
4	16	2	0	1	0	13	2	1.06345 - 7	216	4	17	3	0	0	7	9	0	1.16340 - 6	46
4	16	2	0	1	1	14	0	7.75429 - 8	216	4	17	0	1	2	5	8	3	8.22687 - 5	47
4	16	0	1	2	0	14	1	1.29402 - 5	220	4	17	0	1	2	6	9	1	1.23088 - 5	47
4	16	1	2	0	0	14	1	2.45829 - 5	220	4	17	1	2	0	6	9	1	5.42943 - 5	47
4	16	3	0	0	1	14	0	2.40344 - 8	220	4	17	0	0	3	5	8	3	8.11542 - 6	51
4	16	1	1	1	0	14	1	1.86379 - 5	224	4	17	1	1	1	6	9	1	2.57540 - 5	51
4	16	1	0	2	0	14	1	2.43073 - 7	228	4	17	1	0	2	5	8	3	1.71066 - 5	55
4	16	0	3	0	0	15	0	8.86608 - 4	228	4	17	1	0	2	6	9	1	1.33466 - 6	55
4	16	2	1	0	0	14	1	5.51682 - 7	228	4	17	2	1	0	6	9	1	7.80191 - 6	55
4	16	0	2	1	0	15	0	3.70019 - 5	232	4	17	0	3	0	6	10	0	1.05431 - 5	56
4	16	2	0	1	0	14	1	1.36729 - 7	232	4	17	2	0	1	6	9	1	9.91540 - 6	59
4	16	1	2	0	0	15	0	4.39205 - 5	236	4	17	0	2	1	5	9	2	3.82264 - 5	60
4	16	3	0	0	0	14	1	1.60229 - 9	236	4	17	0	2	1	6	10	0	1.44396 - 5	60
4	16	1	1	1	0	15	0	1.03990 - 6	240	4	17	3	0	0	6	9	1	1.28746 - 7	63
4	16	2	1	0	0	15	0	5.08567 - 7	244	4	17	0	1	2	5	9	2	1.58560 - 6	64
4	16	2	0	1	0	15	0	5.12733 - 9	248	4	17	1	2	0	6	10	0	2.97773 - 6	64
4	16	3	0	0	0	15	0	9.61374 -10	252	4	17	0	0	3	4	8	4	5.41028 - 5	68
										4	17	0	0	3	5	9	2	2.21950 - 6	68
4	17	0	0	3	6	6	4	6.88581 - 5	0	4	17	1	1	1	5	9	2	5.14809 - 5	68
4	17	0	0	3	7	7	2	4.21191 - 6	0	4	17	1	1	1	6	10	0	1.73062 - 5	68
4	17	1	1	1	7	7	2	8.14126 - 5	0	4	17	1	0	2	5	9	2	2.46638 - 5	72
4	17	1	1	1	8	8	0	3.17881 - 5	0	4	17	2	1	0	6	10	0	4.14319 - 5	72
4	17	1	0	2	7	7	2	1.30033 - 5	4	4	17	0	3	0	5	10	1	5.93861 - 6	73
4	17	2	1	0	8	8	0	2.31870 - 5	4	4	17	2	0	1	5	9	2	1.82549 - 9	76
4	17	0	3	0	7	8	1	1.11434 - 7	5	4	17	2	0	1	6	10	0	1.13826 - 7	76
4	17	2	0	1	7	7	2	5.90835 - 6	8	4	17	0	2	1	5	10	1	3.22664 - 6	77
4	17	2	0	1	8	8	0	1.69622 - 6	8	4	17	3	0	0	6	10	0	1.16253 - 7	80
4	17	0	2	1	7	8	1	1.91806 - 5	9	4	17	0	1	2	4	9	3	9.56750 - 5	81
4	17	3	0	0	8	8	0	3.81931 - 6	12	4	17	0	1	2	5	10	1	1.27063 - 5	81
4	17	0	1	2	6	7	3	6.01502 - 5	13	4	17	1	2	0	5	10	1	5.76088 - 5	81
4	17	0	1	2	7	8	1	8.88728 - 6	13	4	17	0	0	3	4	9	3	1.87857 - 5	85

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X
4	17	1	1	1	5	10	1	5.49126 - 5	85	4	17	1	0	2	3	12	1	7.27227 - 7	157
4	17	1	0	2	4	9	3	5.17208 - 6	89	4	17	2	1	0	3	12	1	1.50022 - 6	157
4	17	1	0	2	5	10	1	4.83045 - 8	89	4	17	0	3	0	3	13	0	1.71129 - 6	158
4	17	2	1	0	5	10	1	9.76553 - 7	89	4	17	2	0	1	3	12	1	1.28420 - 7	161
4	17	0	3	0	5	11	0	9.18124 - 6	90	4	17	0	2	1	2	12	2	1.05265 - 4	162
4	17	2	0	1	5	10	1	3.46036 - 6	93	4	17	0	2	1	3	13	0	2.75960 - 5	162
4	17	0	2	1	4	10	2	6.50007 - 5	94	4	17	3	0	0	3	12	1	1.10453 - 9	165
4	17	0	2	1	5	11	0	2.39962 - 5	94	4	17	0	1	2	2	12	2	9.35743 - 5	166
4	17	3	0	0	5	10	1	1.15304 - 7	97	4	17	1	2	0	3	13	0	1.30195 - 4	166
4	17	0	1	2	4	10	2	1.93711 - 5	98	4	17	0	0	3	1	11	4	1.06566 - 5	170
4	17	1	2	0	5	11	0	3.36564 - 5	98	4	17	0	0	3	2	12	2	3.49878 - 7	170
4	17	0	0	3	3	9	4	3.90743 - 5	102	4	17	1	1	1	2	12	2	7.35099 - 9	170
4	17	0	0	3	4	10	2	7.41742 - 7	102	4	17	1	1	1	3	13	0	1.01287 - 6	170
4	17	1	1	1	4	10	2	2.58944 - 5	102	4	17	1	0	2	2	12	2	1.05567 - 6	174
4	17	1	1	1	5	11	0	6.42525 - 6	102	4	17	2	1	0	3	13	0	4.44926 - 7	174
4	17	1	0	2	4	10	2	1.80136 - 5	106	4	17	0	3	0	2	13	1	6.03060 - 5	175
4	17	2	1	0	5	11	0	2.75871 - 5	106	4	17	2	0	1	2	12	2	1.94434 - 7	178
4	17	0	3	0	4	11	1	1.63411 - 5	107	4	17	2	0	1	3	13	0	7.93016 - 8	178
4	17	2	0	1	4	10	2	3.40121 - 7	110	4	17	0	2	1	2	13	1	1.12352 - 4	179
4	17	2	0	1	5	11	0	3.84975 - 7	110	4	17	3	0	0	3	13	0	5.98886 - 8	182
4	17	0	2	1	4	11	1	1.83773 - 6	111	4	17	0	1	2	1	12	3	4.82370 - 5	183
4	17	3	0	0	5	11	0	1.93858 - 8	114	4	17	0	1	2	2	13	1	5.02868 - 8	183
4	17	0	1	2	3	10	3	9.45666 - 5	115	4	17	1	2	0	2	13	1	3.62878 - 6	183
4	17	0	1	2	4	11	1	9.24505 - 6	115	4	17	0	0	3	1	12	3	2.14908 - 5	187
4	17	1	2	0	4	11	1	4.58421 - 5	115	4	17	1	1	1	2	13	1	2.07411 - 5	187
4	17	0	0	3	3	10	3	2.73520 - 5	119	4	17	1	0	2	1	12	3	1.17548 - 6	191
4	17	1	1	1	4	11	1	6.86364 - 5	119	4	17	1	0	2	2	13	1	5.88001 - 7	191
4	17	1	0	2	3	10	3	4.43642 - 7	123	4	17	2	1	0	2	13	1	1.51406 - 6	191
4	17	1	0	2	4	11	1	2.46505 - 7	123	4	17	0	3	0	2	14	0	4.27399 - 5	192
4	17	2	1	0	4	11	1	1.89102 - 7	123	4	17	2	0	1	2	13	1	5.31914 - 7	195
4	17	0	3	0	4	12	0	2.83311 - 6	124	4	17	0	2	1	1	13	2	9.44633 - 5	196
4	17	2	0	1	4	11	1	3.42460 - 7	127	4	17	0	2	1	2	14	0	1.35928 - 5	196
4	17	0	2	1	3	11	2	9.12087 - 5	128	4	17	3	0	0	2	13	1	5.78263 - 9	199
4	17	0	2	1	4	12	0	3.03453 - 5	128	4	17	0	1	2	1	13	2	1.07894 - 4	200
4	17	3	0	0	4	11	1	3.97696 - 8	131	4	17	1	2	0	2	14	0	1.11742 - 4	200
4	17	0	1	2	3	11	2	5.49928 - 5	132	4	17	0	0	3	0	12	4	2.84176 - 6	204
4	17	1	2	0	4	12	0	8.80889 - 5	132	4	17	0	0	3	1	13	2	1.19280 - 6	204
4	17	0	0	3	2	10	4	2.34446 - 5	136	4	17	1	1	1	1	13	2	3.47262 - 6	204
4	17	0	0	3	3	11	2	1.45696 - 8	136	4	17	1	1	1	2	14	0	3.89675 - 6	204
4	17	1	1	1	3	11	2	6.68503 - 6	136	4	17	1	0	2	1	13	2	4.01677 - 7	208
4	17	1	1	1	4	12	0	4.54743 - 7	136	4	17	2	1	0	2	14	0	1.72422 - 6	208
4	17	1	0	2	3	11	2	7.93125 - 6	140	4	17	0	3	0	1	14	1	8.39199 - 5	209
4	17	2	1	0	4	12	0	9.80830 - 6	140	4	17	2	0	1	1	13	2	1.17114 - 9	212
4	17	0	3	0	3	12	1	3.47957 - 5	141	4	17	2	0	1	2	14	0	4.56640 - 9	212
4	17	2	0	1	3	11	2	4.64628 - 7	144	4	17	0	2	1	1	14	1	2.29926 - 4	213
4	17	2	0	1	4	12	0	3.22418 - 7	144	4	17	3	0	0	2	14	0	6.93471 -10	216
4	17	0	2	1	3	12	1	3.18393 - 5	145	4	17	0	1	2	0	13	3	1.81259 - 5	217
4	17	3	0	0	4	12	0	1.03413 - 7	148	4	17	0	1	2	1	14	1	2.90754 - 6	217
4	17	0	1	2	2	11	3	7.72607 - 5	149	4	17	1	2	0	1	14	1	2.44202 - 6	217
4	17	0	1	2	3	12	1	3.61091 - 6	149	4	17	0	0	3	0	13	3	9.23573 - 6	221
4	17	1	2	0	3	12	1	2.33794 - 5	149	4	17	1	1	1	1	14	1	1.07888 - 7	221
4	17	0	0	3	2	11	3	2.87729 - 5	153	4	17	1	0	2	0	13	3	1.01266 - 6	225
4	17	1	1	1	3	12	1	5.40483 - 5	153	4	17	1	0	2	1	14	1	6.67654 - 8	225
4	17	1	0	2	2	11	3	2.50974 - 7	157	4	17	2	1	0	1	14	1	2.24672 - 7	225

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	17	0	3	0	1	15	0	2.15434 - 4	226	4	18	3	0	0	8	9	0	1.86871 - 6	30
4	17	2	0	1	1	14	1	1.86075 - 7	229	4	18	0	1	2	6	8	3	5.49446 - 5	32
4	17	0	2	1	0	14	2	5.34758 - 5	230	4	18	0	1	2	7	9	1	8.30212 - 6	32
4	17	0	2	1	1	15	0	8.74853 - 8	230	4	18	1	2	0	7	9	1	3.68094 - 5	32
4	17	3	0	0	1	14	1	5.38973 - 9	233	4	18	0	0	3	6	8	3	2.63004 - 6	36
4	17	0	1	2	0	14	2	7.28843 - 5	234	4	18	1	1	1	7	9	1	8.61686 - 6	36
4	17	1	2	0	1	15	0	2.83562 - 5	234	4	18	1	0	2	6	8	3	2.11925 - 5	40
4	17	0	0	3	0	14	2	1.30651 - 6	238	4	18	1	0	2	7	9	1	2.28612 - 6	40
4	17	1	1	1	0	14	2	6.53812 - 6	238	4	18	2	1	0	7	9	1	1.16517 - 5	40
4	17	1	1	1	1	15	0	2.48530 - 6	238	4	18	0	3	0	7	10	0	7.17379 - 6	42
4	17	1	0	2	0	14	2	2.29204 - 6	242	4	18	2	0	1	7	9	1	1.09722 - 5	44
4	17	2	1	0	1	15	0	3.03638 - 6	242	4	18	0	2	1	6	9	2	1.98605 - 5	46
4	17	0	3	0	0	15	1	8.10462 - 5	243	4	18	0	2	1	7	10	0	7.34123 - 6	46
4	17	2	0	1	0	14	2	8.37703 - 8	246	4	18	3	0	0	7	9	1	5.99636 - 8	48
4	17	2	0	1	1	15	0	5.79277 - 8	246	4	18	0	1	2	6	9	2	1.42224 - 7	50
4	17	0	2	1	0	15	1	2.84303 - 4	247	4	18	1	2	0	7	10	0	2.19168 - 7	50
4	17	3	0	0	1	15	0	1.87369 - 8	250	4	18	0	0	3	5	8	4	4.73407 - 5	54
4	17	0	1	2	0	15	1	1.00198 - 5	251	4	18	0	0	3	6	9	2	2.41543 - 6	54
4	17	1	2	0	0	15	1	1.92492 - 5	251	4	18	1	1	1	6	9	2	5.09163 - 5	54
4	17	1	1	1	0	15	1	1.49944 - 5	255	4	18	1	1	1	7	10	0	1.85676 - 5	54
4	17	1	0	2	0	15	1	2.01747 - 7	259	4	18	1	0	2	6	9	2	1.92059 - 5	58
4	17	2	1	0	0	15	1	4.61100 - 7	259	4	18	2	1	0	7	10	0	3.33498 - 5	58
4	17	0	3	0	0	16	0	7.01196 - 4	260	4	18	0	3	0	6	10	1	2.10904 - 6	60
4	17	2	0	1	0	15	1	1.17977 - 7	263	4	18	2	0	1	6	9	2	2.03562 - 7	62
4	17	0	2	1	0	16	0	3.02747 - 5	264	4	18	2	0	1	7	10	0	6.28815 -11	62
4	17	3	0	0	0	15	1	1.43729 - 9	267	4	18	0	2	1	6	10	1	7.41563 - 6	64
4	17	1	2	0	0	16	0	3.72823 - 5	268	4	18	3	0	0	7	10	0	4.49976 - 7	66
4	17	1	1	1	0	16	0	9.15340 - 7	272	4	18	0	1	2	5	9	3	6.91007 - 5	68
4	17	2	1	0	0	16	0	4.64935 - 7	276	4	18	0	1	2	6	10	1	1.00484 - 5	68
4	17	2	0	1	0	16	0	4.86769 - 9	280	4	18	1	2	0	6	10	1	4.46864 - 5	68
4	17	3	0	0	0	16	0	9.48834 -10	284	4	18	0	0	3	5	9	3	9.35124 - 6	72
										4	18	1	1	1	6	10	1	2.91291 - 5	72
4	18	0	0	3	7	7	3	0.00000	0	4	18	1	0	2	5	9	3	9.09690 - 6	76
4	18	1	1	1	8	8	1	0.00000	0	4	18	1	0	2	6	10	1	4.79464 - 7	76
4	18	1	0	2	7	7	3	3.75024 - 5	4	4	18	2	1	0	6	10	1	3.38799 - 6	76
4	18	1	0	2	8	8	1	5.22992 - 6	4	4	18	0	3	0	6	11	0	8.32269 - 6	78
4	18	2	1	0	8	8	1	2.40334 - 5	4	4	18	2	0	1	6	10	1	5.62008 - 6	80
4	18	0	3	0	8	9	0	4.38958 - 6	6	4	18	0	2	1	5	10	2	3.70466 - 5	82
4	18	2	0	1	8	8	1	1.47227 - 5	8	4	18	0	2	1	6	11	0	1.40048 - 5	82
4	18	0	2	1	7	8	2	8.30213 - 6	10	4	18	3	0	0	6	10	1	1.07328 - 7	84
4	18	0	2	1	8	9	0	2.72546 - 6	10	4	18	0	1	2	5	10	2	4.38138 - 6	86
4	18	3	0	0	8	8	1	2.15250 - 9	12	4	18	1	2	0	6	11	0	7.96981 - 6	86
4	18	0	1	2	7	8	2	5.74255 - 6	14	4	18	0	0	3	4	9	4	3.79894 - 5	90
4	18	1	2	0	8	9	0	1.02320 - 5	14	4	18	0	0	3	5	10	2	1.28260 - 6	90
4	18	0	0	3	6	7	4	5.26007 - 5	18	4	18	1	1	1	5	10	2	3.29903 - 5	90
4	18	0	0	3	7	8	2	3.16426 - 6	18	4	18	1	1	1	6	11	0	1.02716 - 5	90
4	18	1	1	1	7	8	2	6.19842 - 5	18	4	18	1	0	2	5	10	2	1.79760 - 5	94
4	18	1	1	1	8	9	0	2.40334 - 5	18	4	18	2	1	0	6	11	0	2.95096 - 5	94
4	18	1	0	2	7	8	2	1.41806 - 5	22	4	18	0	3	0	5	11	1	6.78975 - 6	96
4	18	2	1	0	8	9	0	2.52667 - 5	22	4	18	2	0	1	5	10	2	6.07115 - 8	98
4	18	0	3	0	7	9	1	3.60747 - 7	24	4	18	2	0	1	6	11	0	1.76445 - 7	98
4	18	2	0	1	7	8	2	2.28611 - 6	26	4	18	0	2	1	5	11	1	5.91248 - 7	100
4	18	2	0	1	8	9	0	5.13175 - 7	26	4	18	3	0	0	6	11	0	1.64346 - 8	102
4	18	0	2	1	7	9	1	1.37306 - 5	28	4	18	0	1	2	4	10	3	7.54556 - 5	104

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X
4	18	0	1	2	5	11	1	9.30423 - 6	104	4	18	0	0	3	2	12	3	2.15849 - 5	180
4	18	1	2	0	5	11	1	4.31888 - 5	104	4	18	1	1	1	3	13	1	3.71465 - 5	180
4	18	0	0	3	4	10	3	1.70952 - 5	108	4	18	1	0	2	2	12	3	3.37764 - 7	184
4	18	1	1	1	5	11	1	4.83274 - 5	108	4	18	1	0	2	3	13	1	5.90495 - 7	184
4	18	1	0	2	4	10	3	2.32597 - 6	112	4	18	2	1	0	3	13	1	1.29447 - 6	184
4	18	1	0	2	5	11	1	1.37937 - 9	112	4	18	0	3	0	3	14	0	3.61523 - 6	186
4	18	2	1	0	5	11	1	1.78199 - 7	112	4	18	2	0	1	3	13	1	1.81194 - 7	188
4	18	0	3	0	5	12	0	5.89368 - 6	114	4	18	0	2	1	2	13	2	8.20993 - 5	190
4	18	2	0	1	5	11	1	1.61266 - 6	116	4	18	0	2	1	3	14	0	2.00048 - 5	190
4	18	0	2	1	4	11	2	5.73363 - 5	118	4	18	3	0	0	3	13	1	2.18421 -11	192
4	18	0	2	1	5	12	0	2.07196 - 5	118	4	18	0	1	2	2	13	2	7.68072 - 5	194
4	18	3	0	0	5	11	1	7.19095 - 8	120	4	18	1	2	0	3	14	0	1.03232 - 4	194
4	18	0	1	2	4	11	2	2.22702 - 5	122	4	18	0	0	3	1	12	4	6.90717 - 6	198
4	18	1	2	0	5	12	0	3.80391 - 5	122	4	18	0	0	3	2	13	2	3.83755 - 7	198
4	18	0	0	3	3	10	4	2.65926 - 5	126	4	18	1	1	1	2	13	2	7.65398 - 8	198
4	18	0	0	3	4	11	2	3.24159 - 7	126	4	18	1	1	1	3	14	0	1.22172 - 6	198
4	18	1	1	1	4	11	2	1.49278 - 5	126	4	18	1	0	2	2	13	2	3.96100 - 7	202
4	18	1	1	1	5	12	0	3.08158 - 6	126	4	18	2	1	0	3	14	0	4.97514 - 8	202
4	18	1	0	2	4	11	2	1.17439 - 5	130	4	18	0	3	0	2	14	1	5.05770 - 5	204
4	18	2	1	0	5	12	0	1.72427 - 5	130	4	18	2	0	1	2	13	2	1.10538 - 7	206
4	18	0	3	0	4	12	1	1.61721 - 5	132	4	18	2	0	1	3	14	0	3.74901 - 8	206
4	18	2	0	1	4	11	2	3.29465 - 7	134	4	18	0	2	1	2	14	1	1.01479 - 4	208
4	18	2	0	1	5	12	0	3.14675 - 7	134	4	18	3	0	0	3	14	0	3.52376 - 8	210
4	18	0	2	1	4	12	1	4.69360 - 6	136	4	18	0	1	2	1	13	3	3.36749 - 5	212
4	18	3	0	0	5	12	0	3.77240 - 8	138	4	18	0	1	2	2	14	1	4.81291 - 9	212
4	18	0	1	2	3	11	3	7.09935 - 5	140	4	18	1	2	0	2	14	1	1.47770 - 6	212
4	18	0	1	2	4	12	1	6.04313 - 6	140	4	18	0	0	3	1	13	3	1.53020 - 5	216
4	18	1	2	0	4	12	1	3.14633 - 5	140	4	18	1	1	1	2	14	1	1.22974 - 5	216
4	18	0	0	3	3	11	3	2.21029 - 5	144	4	18	1	0	2	1	13	3	9.45554 - 7	220
4	18	1	1	1	4	12	1	5.25933 - 5	144	4	18	1	0	2	2	14	1	3.96351 - 7	220
4	18	1	0	2	3	11	3	7.99441 - 8	148	4	18	2	1	0	2	14	1	1.04635 - 6	220
4	18	1	0	2	4	12	1	3.08441 - 7	148	4	18	0	3	0	2	15	0	4.38601 - 5	222
4	18	2	1	0	4	12	1	3.92810 - 7	148	4	18	2	0	1	2	14	1	4.07862 - 7	224
4	18	0	3	0	4	13	0	9.30568 - 7	150	4	18	0	2	1	1	14	2	7.05649 - 5	226
4	18	2	0	1	4	12	1	6.94684 - 8	152	4	18	0	2	1	2	15	0	8.70425 - 6	226
4	18	0	2	1	3	12	2	7.50634 - 5	154	4	18	3	0	0	2	14	1	5.29445 - 9	228
4	18	0	2	1	4	13	0	2.39413 - 5	154	4	18	0	1	2	1	14	2	8.24693 - 5	230
4	18	3	0	0	4	12	1	1.89407 - 8	156	4	18	1	2	0	2	15	0	8.04113 - 5	230
4	18	0	1	2	3	12	2	5.05168 - 5	158	4	18	0	0	3	0	13	4	1.80649 - 6	234
4	18	1	2	0	4	13	0	7.90794 - 5	158	4	18	0	0	3	1	14	2	9.82113 - 7	234
4	18	0	0	3	2	11	4	1.55411 - 5	162	4	18	1	1	1	1	14	2	3.15892 - 6	234
4	18	0	0	3	3	12	2	2.69810 - 9	162	4	18	1	1	1	2	15	0	3.14250 - 6	234
4	18	1	1	1	3	12	2	3.04584 - 6	162	4	18	1	0	2	1	14	2	4.75452 - 7	238
4	18	1	1	1	4	13	0	4.34685 - 8	162	4	18	2	1	0	2	15	0	1.67013 - 6	238
4	18	1	0	2	3	12	2	4.53373 - 6	166	4	18	0	3	0	1	15	1	6.66851 - 5	240
4	18	2	1	0	4	13	0	5.08300 - 6	166	4	18	2	0	1	1	14	2	7.32391 -11	242
4	18	0	3	0	3	13	1	3.12926 - 5	168	4	18	2	0	1	2	15	0	7.97073 - 9	242
4	18	2	0	1	3	12	2	3.28163 - 7	170	4	18	0	2	1	1	15	1	1.87878 - 4	244
4	18	2	0	1	4	13	0	2.07826 - 7	170	4	18	3	0	0	2	15	0	1.26934 -12	246
4	18	0	2	1	3	13	1	3.50856 - 5	172	4	18	0	1	2	0	14	3	1.23088 - 5	248
4	18	3	0	0	4	13	0	8.12199 - 8	174	4	18	0	1	2	1	15	1	2.78268 - 6	248
4	18	0	1	2	2	12	3	5.57390 - 5	176	4	18	1	2	0	1	15	1	2.80146 - 6	248
4	18	0	1	2	3	13	1	1.92936 - 6	176	4	18	0	0	3	0	14	3	6.32272 - 6	252
4	18	1	2	0	3	13	1	1.42737 - 5	176	4	18	1	1	1	1	15	1	9.12821 - 9	252

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f		X
4	18	1	0	2	0	14	3	7.17160	- 7	256
4	18	1	0	2	1	15	1	2.96620	- 8	256
4	18	2	1	0	1	15	1	1.09223	- 7	256
4	18	0	3	0	1	16	0	1.87874	- 4	258
4	18	2	0	1	1	15	1	1.09177	- 7	260
4	18	0	2	1	0	15	2	3.85532	- 5	262
4	18	0	2	1	1	16	0	3.91002	- 9	262
4	18	3	0	0	1	15	1	3.49866	- 9	264
4	18	0	1	2	0	15	2	5.29535	- 5	266
4	18	1	2	0	1	16	0	1.71798	- 5	266
4	18	0	0	3	0	15	2	9.68166	- 7	270
4	18	1	1	1	0	15	2	4.91480	- 6	270
4	18	1	1	1	1	16	0	1.68427	- 6	270
4	18	1	0	2	0	15	2	1.75704	- 6	274
4	18	2	1	0	1	16	0	2.18027	- 6	274
4	18	0	3	0	0	16	1	6.16722	- 5	276
4	18	2	0	1	0	15	2	6.64314	- 8	278
4	18	2	0	1	1	16	0	4.35059	- 8	278
4	18	0	2	1	0	16	1	2.17814	- 4	280
4	18	3	0	0	1	16	0	1.46303	- 8	282
4	18	0	1	2	0	16	1	7.85969	- 6	284
4	18	1	2	0	0	16	1	1.52482	- 5	284
4	18	1	1	1	0	16	1	1.21619	- 5	288
4	18	1	0	2	0	16	1	1.68154	- 7	292
4	18	2	1	0	0	16	1	3.86684	- 7	292
4	18	0	3	0	0	17	0	5.62443	- 4	294
4	18	2	0	1	0	16	1	1.01723	- 7	296
4	18	0	2	1	0	17	0	2.50191	- 5	298
4	18	3	0	0	0	16	1	1.28200	- 9	300
4	18	1	2	0	0	17	0	3.18183	- 5	302
4	18	1	1	1	0	17	0	8.06399	- 7	306
4	18	2	1	0	0	17	0	4.23385	- 7	310
4	18	2	0	1	0	17	0	4.58128	- 9	314
4	18	3	0	0	0	17	0	9.23796	-10	318

Table II. TOTAL f-VALUES FOR EACH LINE.

n'	n	f_0	$f_\pm$	f	n'	n	f_0	$f_\pm$	f
1	2	0.27746400	0.13873200	0.41619600	2	17	0.00002900	0.00069800	0.00072700
1	3	0.00000000	0.07910200	0.07910200	2	18	0.00000000	0.00060975	0.00060975
1	4	0.00773100	0.02126000	0.02899100	3	4	0.23174756	0.61034867	0.84209623
1	5	0.00000000	0.01393800	0.01393800	3	5	0.00000000	0.15058411	0.15058411
1	6	0.00133700	0.00646200	0.00779900	3	6	0.00653378	0.04930644	0.05584022
1	7	0.00000000	0.00481400	0.00481400	3	7	0.00000000	0.02768489	0.02768489
1	8	0.00040400	0.00277900	0.00318300	3	8	0.00118289	0.01485289	0.01603578
1	9	0.00000000	0.00221600	0.00221600	3	9	0.00000000	0.01023411	0.01023411
1	10	0.00016200	0.00144300	0.00160500	3	10	0.00039167	0.00658800	0.00697967
1	11	0.00000000	0.00120100	0.00120100	3	11	0.00000000	0.00499644	0.00499644
1	12	0.00007700	0.00084400	0.00092100	3	12	0.00016911	0.00354233	0.00371144
1	13	0.00000000	0.00072300	0.00072300	3	13	0.00000000	0.00283878	0.00283878
1	14	0.00004100	0.00053600	0.00057700	3	14	0.00008556	0.00213800	0.00222356
1	15	0.00000000	0.00046900	0.00046900	3	15	0.00000000	0.00177633	0.00177633
1	16	0.00002400	0.00036100	0.00038500	3	16	0.00004811	0.00139467	0.00144278
1	17	0.00000000	0.00032100	0.00032100	3	17	0.00000000	0.00118878	0.00118878
1	18	0.00001500	0.00025500	0.00027000	3	18	0.00002922	0.00096244	0.00099167
2	3	0.24868875	0.39205850	0.64074725	4	5	0.22147969	0.81625656	0.10377363
2	4	0.00000000	0.11932125	0.11932125	4	6	0.00049981	0.17875256	0.17925237
2	5	0.00701450	0.03765575	0.04467025	4	7	0.00563575	0.05985019	0.06548594
2	6	0.00000000	0.02209275	0.02209275	4	8	0.00040194	0.03189319	0.03229513
2	7	0.00131025	0.01139425	0.01270450	4	9	0.00107938	0.01762019	0.01869956
2	8	0.00000000	0.00803550	0.00803550	4	10	0.00000000	0.01196113	0.01196113
2	9	0.00042175	0.00500725	0.00542900	4	11	0.00036269	0.00782450	0.00818719
2	10	0.00000000	0.00385050	0.00385050	4	12	0.00000369	0.00588238	0.00588606
2	11	0.00017725	0.00265800	0.00283525	4	13	0.00015913	0.00423338	0.00439250
2	12	0.00000000	0.00215100	0.00215100	4	14	0.00000000	0.00337544	0.00337544
2	13	0.00008775	0.00158425	0.00167200	4	15	0.00008169	0.00257431	0.00265600
2	14	0.00000000	0.00132625	0.00132625	4	16	0.00000000	0.00213125	0.00213125
2	15	0.00004825	0.00102175	0.00107000	4	17	0.00004656	0.00169200	0.00173856
2	16	0.00000000	0.00087650	0.00087650	4	18	0.00000000	0.00143825	0.00143825

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
1	2	5667931447	2	0.06936612
1	3	6052620047	3	0.02636720
1	3	1210524048	6	0.01318359
1	4	7254952447	4	0.00048318
1	4	1450990548	8	0.00579820
1	4	2176485748	12	0.00434865
1	5	8648577547	5	0.00278768
1	5	1729715548	10	0.00046461
1	5	2594573348	15	0.00185844
1	5	3459431048	20	0.00185845
1	6	1011899348	6	0.00003714
1	6	2023798648	12	0.00118848
1	6	3035697848	18	0.00033426
1	6	4047597148	24	0.00074280
1	6	5059496448	30	0.00092851
1	7	1162853148	7	0.00068772
1	7	2325706248	14	0.00005731
1	7	3488559348	21	0.00057308
1	7	4651412448	28	0.00022924
1	7	5814265548	35	0.00034384
1	7	6977118548	42	0.00051578
1	8	1316091148	8	0.00000632
1	8	2632182248	16	0.00037896
1	8	3948273448	24	0.00005685
1	8	5264364548	32	0.00030320
1	8	6580455648	40	0.00015791
1	8	7896546748	48	0.00017684
1	8	9212637848	56	0.00030950
1	9	1470786848	9	0.00024624
1	9	2941573548	18	0.00001231
1	9	4412360348	27	0.00022160
1	9	5883147048	36	0.00004925
1	9	7353933848	45	0.00017236
1	9	8824720548	54	0.00011081
1	9	1029550749	63	0.00009848
1	9	1176629449	72	0.00019699
1	10	1626472448	10	0.00000162
1	10	3252944848	20	0.00015568
1	10	4879417248	30	0.00001459
1	10	6505889648	40	0.00013620
1	10	8132362048	50	0.00004054
1	10	9758834448	60	0.00010380
1	10	1138530749	70	0.00007946
1	10	1301177949	80	0.00005836
1	10	1463825249	90	0.00013135
1	11	1782863348	11	0.00010912

n'	n	c_x(floating point)	X	f_x
1	11	3565726648	22	0.00000364
1	11	5348589848	33	0.00010188
1	11	7131453148	44	0.00001455
1	11	8914316448	55	0.00008732
1	11	1069718049	66	0.00003274
1	11	1248004349	77	0.00006548
1	11	1426290649	88	0.00005821
1	11	1604577049	99	0.00003636
1	11	1782863349	110	0.00009095
1	12	1939774648	12	0.00000054
1	12	3879549148	24	0.00007516
1	12	5819323748	36	0.00000483
1	12	7759098248	48	0.00006872
1	12	9698872848	60	0.00001342
1	12	1163864749	72	0.00005800
1	12	1357842249	84	0.00002631
1	12	1551819649	96	0.00004296
1	12	1745797149	108	0.00004349
1	12	1939774649	120	0.00002364
1	12	2133752049	132	0.00006497
1	13	2097081548	13	0.00005560
1	13	4194163048	26	0.00000132
1	13	6291244448	39	0.00005296
1	13	8388325948	52	0.00000529
1	13	1048540749	65	0.00004764
1	13	1258248949	78	0.00001191
1	13	1467957049	91	0.00003972
1	13	1677665249	104	0.00002118
1	13	1887373349	117	0.00002912
1	13	2097081549	130	0.00003309
1	13	2306789649	143	0.00001588
1	13	2516497849	156	0.00004765
1	14	2254696448	14	0.00000021
1	14	4509392748	28	0.00004060
1	14	6764089148	42	0.00000190
1	14	9018785448	56	0.00003808
1	14	1127348249	70	0.00000529
1	14	1352817849	84	0.00003384
1	14	1578287549	98	0.00001036
1	14	1803757149	112	0.00002792
1	14	2029226749	126	0.00001713
1	14	2254696449	140	0.00002032
1	14	2480166049	154	0.00002559
1	14	2705635649	168	0.00001100
1	14	2931105349	182	0.00003574
1	15	2412555948	15	0.00003124
1	15	4825111848	30	0.00000056
1	15	7237667748	45	0.00003012
1	15	9650223648	60	0.00000223
1	15	1206278049	75	0.00002788

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
1	15	1447533549	90	0.00000502
1	15	1688789149	105	0.00002456
1	15	1930044749	120	0.00000893
1	15	2171300349	135	0.00002008
1	15	2412555949	150	0.00001395
1	15	2653811549	165	0.00001452
1	15	2895067149	180	0.00002008
1	15	3136322749	195	0.00000780
1	15	3377578349	210	0.00002734
1	16	2570612848	16	0.00000009
1	16	5141225648	32	0.00002380
1	16	7711838448	48	0.00000085
1	16	1028245149	64	0.00002268
1	16	1285306449	80	0.00000236
1	16	1542367749	96	0.00002080
1	16	1799429049	112	0.00000463
1	16	2056490249	128	0.00001816
1	16	2313551549	144	0.00000765
1	16	2570612849	160	0.00001476
1	16	2827674149	176	0.00001144
1	16	3084735449	192	0.00001060
1	16	3341796649	208	0.00001597
1	16	3598857949	224	0.00000568
1	16	3855919249	240	0.00002126
1	17	2728831748	17	0.00001888
1	17	5457663348	34	0.00000026
1	17	8186495048	51	0.00001836
1	17	1091532749	68	0.00000105
1	17	1364415849	85	0.00001732
1	17	1637299049	102	0.00000236
1	17	1910182249	119	0.00001572
1	17	2183065349	136	0.00000420
1	17	2455948549	153	0.00001364
1	17	2728831749	170	0.00000656
1	17	3001714849	187	0.00001100
1	17	3274598049	204	0.00000944
1	17	3547481249	221	0.00000788
1	17	3820364349	238	0.00001285
1	17	4093247549	255	0.00000420
1	17	4366130749	272	0.00001679
1	18	2887184748	18	0.00000005
1	18	5774369448	36	0.00001488
1	18	8661554148	54	0.00000042
1	18	1154873949	72	0.00001432
1	18	1443592449	90	0.00000116
1	18	1732310849	108	0.00001340
1	18	2021029349	126	0.00000228
1	18	2309747849	144	0.00001208
1	18	2598466249	162	0.00000376
1	18	2887184749	180	0.00001040
1	18	3175903249	198	0.00000562
1	18	3464621649	216	0.00000836
1	18	3753340149	234	0.00000785
1	18	4042058649	252	0.00000596
1	18	4330777149	270	0.00001046
1	18	4619495549	288	0.00000316
1	18	4908214049	306	0.00001343
2	3	8263843948	1	0.35079144
2	3	1652768849	2	0.06604519
2	3	2479153249	3	0.20873542
2	3	3305537649	4	0.15229350
2	3	4131922049	5	0.00289912
2	3	4958306349	6	0.00326148
2	3	6611075149	8	0.00009060
2	4	9068690048	2	0.01455833
2	4	1813738049	4	0.08677904
2	4	2720607049	6	0.06365699
2	4	3627476049	8	0.03653854
2	4	4534345049	10	0.03549186
2	4	5441214049	12	0.00152244
2	4	6348083049	14	0.00009515
2	5	7229504448	2	0.00154752
2	5	1084425749	3	0.00913716
2	5	1807376149	5	0.00190160
2	5	2530326549	7	0.00115048
2	5	2891801849	8	0.00015064
2	5	3614752249	10	0.01744116
2	5	4337702649	12	0.00164814
2	5	4699177949	13	0.01648680
2	5	5422128349	15	0.01140954
2	5	6145078749	17	0.00051344
2	5	6506554049	18	0.01305056
2	5	7229504449	20	0.00080224
2	5	7952454849	22	0.00007220
2	6	6456128048	2	0.00185396
2	6	1291225649	4	0.00020599
2	6	1936838449	6	0.01019672
2	6	2582451249	8	0.00082397
2	6	3228064049	10	0.00504684
2	6	3873676849	12	0.00185394
2	6	4519289649	14	0.00010300
2	6	5164902449	16	0.00046349
2	6	5810515249	18	0.00509832
2	6	6456128049	20	0.00046349
2	6	7101740849	22	0.00643732
2	6	7747353649	24	0.00463486
2	6	8392966449	26	0.00025748
2	6	9038579249	28	0.00623131
2	6	9684192049	30	0.00046348
2	6	1032980550	32	0.00005150
2	7	6048312448	2	0.00027537

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
2	7	1512078149	5	0.00156436
2	7	2116909349	7	0.00017616
2	7	2721740649	9	0.00043188
2	7	3628987449	12	0.00000609
2	7	4233818749	14	0.00422104
2	7	4838649949	16	0.00039538
2	7	5745896849	19	0.00283456
2	7	6350728049	21	0.00132122
2	7	6955559349	23	0.00000336
2	7	7862806149	26	0.00050610
2	7	8467637449	28	0.00186488
2	7	9072468649	30	0.00015220
2	7	9979715549	33	0.00297164
2	7	1058454750	35	0.00220204
2	7	1118937850	37	0.00014044
2	7	1209662550	40	0.00339862
2	7	1270145650	42	0.00028672
2	7	1330628750	44	0.00003657
2	8	5803962048	2	0.00051940
2	8	1741188649	6	0.00007304
2	8	2321584849	8	0.00273552
2	8	2901981049	10	0.00020289
2	8	4062773449	14	0.00114484
2	8	4643169649	16	0.00027702
2	8	5223565849	18	0.00010604
2	8	6384358249	22	0.00001042
2	8	6964754449	24	0.00194140
2	8	7545150649	26	0.00019221
2	8	8705943049	30	0.00166380
2	8	9286339249	32	0.00088644
2	8	9866735449	34	0.00000172
2	8	1102752850	38	0.00044441
2	8	1160792450	40	0.00079640
2	8	1218832050	42	0.00005486
2	8	1334911350	46	0.00153612
2	8	1392950950	48	0.00116346
2	8	1450990550	50	0.00008180
2	8	1567069750	54	0.00202599
2	8	1625109450	56	0.00018700
2	8	1683149050	58	0.00002629
2	9	5644892848	2	0.00008688
2	9	1975712549	7	0.00047212
2	9	2540201849	9	0.00003390
2	9	3104691049	11	0.00018212
2	9	4515914249	16	0.00001254
2	9	5080403549	18	0.00148740
2	9	5644892849	20	0.00013037
2	9	7056116049	25	0.00080800
2	9	7620605349	27	0.00027458
2	9	8185094649	29	0.00002492
2	9	9596317849	34	0.00003505
2	9	1016080750	36	0.00097128

n'	n	c_x(floating point)	X	f_x
2	9	1072529650	38	0.00009668
2	9	1213652050	43	0.00102128
2	9	1270100950	45	0.00059324
2	9	1326549850	47	0.00000620
2	9	1467672150	52	0.00036343
2	9	1524121150	54	0.00038228
2	9	1580570050	56	0.00002084
2	9	1721692350	61	0.00086232
2	9	1778141250	63	0.00066444
2	9	1834590250	65	0.00005024
2	9	1975712550	70	0.00128812
2	9	2032161450	72	0.00012716
2	9	2088610350	74	0.00001923
2	10	5535089248	2	0.00020144
2	10	2214035749	8	0.00003223
2	10	2767544649	10	0.00104072
2	10	3321053549	12	0.00007251
2	10	4981580349	18	0.00038808
2	10	5535089249	20	0.00006714
2	10	6088598149	22	0.00006580
2	10	7749124949	28	0.00000022
2	10	8302633849	30	0.00084488
2	10	8856142749	32	0.00008079
2	10	1051666950	38	0.00056868
2	10	1107017850	40	0.00023500
2	10	1162368750	42	0.00000468
2	10	1328421450	48	0.00005036
2	10	1383772350	50	0.00052036
2	10	1439123250	52	0.00005036
2	10	1605175950	58	0.00065264
2	10	1660526850	60	0.00040286
2	10	1715877750	62	0.00000804
2	10	1881930350	68	0.00029005
2	10	1937281250	70	0.00020144
2	10	1992632150	72	0.00000806
2	10	2158684850	78	0.00051564
2	10	2214035750	80	0.00040286
2	10	2269386650	82	0.00003224
2	10	2435439250	88	0.00086032
2	10	2490790150	90	0.00008952
2	10	2546141050	92	0.00001432
2	11	5455896248	2	0.00003618
2	11	2455153349	9	0.00018940
2	11	3000742949	11	0.00000948
2	11	3546332549	13	0.00008848
2	11	5455896249	20	0.00000964
2	11	6001485849	22	0.00065316
2	11	6547075449	24	0.00005379
2	11	8456639149	31	0.00030640
2	11	9002228749	33	0.00007970
2	11	9547818449	35	0.00002380
2	11	1145738250	42	0.00000195

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
2	11	1200297250	44	0.00049988
2	11	1254856150	46	0.00004989
2	11	1445812550	53	0.00040408
2	11	1500371550	55	0.00018978
2	11	1554930450	57	0.00000040
2	11	1745886850	64	0.00005607
2	11	1800445750	66	0.00029512
2	11	1855004750	68	0.00002705
2	11	2045961150	75	0.00043192
2	11	2100520050	77	0.00027896
2	11	2155079050	79	0.00000804
2	11	2346035450	86	0.00023014
2	11	2400594350	88	0.00011468
2	11	2455153350	90	0.00000306
2	11	2646109750	97	0.00032420
2	11	2700668650	99	0.00025620
2	11	2755227650	101	0.00002144
2	11	2946183950	108	0.00059748
2	11	3000742950	110	0.00006484
2	11	3055301950	112	0.00001085
2	12	5396796048	2	0.00009432
2	12	2698398049	10	0.00001638
2	12	3238077649	12	0.00048244
2	12	3777757249	14	0.00003210
2	12	5936475649	22	0.00016540
2	12	6476155249	24	0.00002156
2	12	7015834849	26	0.00003960
2	12	9174553249	34	0.00000174
2	12	9714232849	36	0.00041900
2	12	1025391250	38	0.00003812
2	12	1241263150	46	0.00023828
2	12	1295231050	48	0.00007886
2	12	1349199050	50	0.00000828
2	12	1565070850	58	0.00000635
2	12	1619038850	60	0.00030688
2	12	1673006850	62	0.00003106
2	12	1888878650	70	0.00029116
2	12	1942846650	72	0.00014970
2	12	1996814550	74	0.00000004
2	12	2212686450	82	0.00005579
2	12	2266654350	84	0.00017564
2	12	2320622350	86	0.00001491
2	12	2536494150	94	0.00029472
2	12	2590462150	96	0.00019714
2	12	2644430050	98	0.00000724
2	12	2860301950	106	0.00018301
2	12	2914269850	108	0.00006968
2	12	2968237850	110	0.00000108
2	12	3184109650	118	0.00021236
2	12	3238077650	120	0.00016942
2	12	3292045650	122	0.00001472
2	12	3507917450	130	0.00042837
2	12	3561885450	132	0.00004812
2	12	3615853350	134	0.00000836
2	13	5351464248	2	0.00001779
2	13	2943305349	11	0.00009036
2	13	3478451749	13	0.00000334
2	13	4013598249	15	0.00004784
2	13	6421757049	24	0.00000651
2	13	6956903549	26	0.00033080
2	13	7492049949	28	0.00002586
2	13	9900208849	37	0.00013928
2	13	1043535550	39	0.00002870
2	13	1097050250	41	0.00001784
2	13	1337866150	50	0.00000001
2	13	1391380750	52	0.00027500
2	13	1444895350	54	0.00002657
2	13	1685711250	63	0.00018472
2	13	1739225950	65	0.00007174
2	13	1792740550	67	0.00000260
2	13	2033556450	76	0.00001009
2	13	2087071050	78	0.00019468
2	13	2140585750	80	0.00001958
2	13	2381401650	89	0.00021300
2	13	2434916250	91	0.00011718
2	13	2488430950	93	0.00000052
2	13	2729246750	102	0.00005241
2	13	2782761450	104	0.00010904
2	13	2836276050	106	0.00000839
2	13	3077091950	115	0.00020652
2	13	3130606650	117	0.00014206
2	13	3184121250	119	0.00000616
2	13	3424937150	128	0.00014641
2	13	3478451750	130	0.00004480
2	13	3531966450	132	0.00000033
2	13	3772782350	141	0.00014392
2	13	3826296950	143	0.00011576
2	13	3879811550	145	0.00001036
2	13	4120627450	154	0.00031538
2	13	4174142150	156	0.00003648
2	13	4227656750	158	0.00000653
2	14	5315899648	2	0.00005004
2	14	3189539849	12	0.00000919
2	14	3721129749	14	0.00025436
2	14	4252719749	16	0.00001634
2	14	6910669549	26	0.00008176
2	14	7442259449	28	0.00000834
2	14	7973849449	30	0.00002460
2	14	1063179950	40	0.00000205
2	14	1116338950	42	0.00022968
2	14	1169497950	44	0.00001992
2	14	1435292950	54	0.00011520
2	14	1488451950	56	0.00003128
2	14	1541610950	58	0.00000796
2	14	1807405950	68	0.00000057

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Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
2	14	1860564950	70	0.00018452
2	14	1913723950	72	0.00001844
2	14	2179518850	82	0.00014360
2	14	2232677850	84	0.00006254
2	14	2285836850	86	0.00000064
2	14	2551631850	96	0.00001251
2	14	2604790850	98	0.00012720
2	14	2657949850	100	0.00001251
2	14	2923744850	110	0.00015820
2	14	2976903850	112	0.00009174
2	14	3030062850	114	0.00000092
2	14	3295857850	124	0.00004768
2	14	3349016750	126	0.00007020
2	14	3402175750	128	0.00000479
2	14	3667970750	138	0.00014812
2	14	3721129750	140	0.00010424
2	14	3774288750	142	0.00000516
2	14	4040083750	152	0.00011800
2	14	4093242750	154	0.00003024
2	14	4146401750	156	0.00000006
2	14	4412196750	166	0.00010040
2	14	4465355750	168	0.00008130
2	14	4518514750	170	0.00000748
2	14	4784309650	180	0.00023748
2	14	4837468650	182	0.00002816
2	14	4890627650	184	0.00000517
2	15	5287466048	2	0.00000978
2	15	3436852949	13	0.00004844
2	15	3965599549	15	0.00000138
2	15	4494346149	17	0.00002804
2	15	7402452449	28	0.00000435
2	15	7931199049	30	0.00018524
2	15	8459945649	32	0.00001387
2	15	1136805250	43	0.00007172
2	15	1189679950	45	0.00001202
2	15	1242554550	47	0.00001272
2	15	1533365150	58	0.00000036
2	15	1586239850	60	0.00016168
2	15	1639114550	62	0.00001502
2	15	1929925150	73	0.00009452
2	15	1982799850	75	0.00003090
2	15	2035674450	77	0.00000348
2	15	2326485050	88	0.00000177
2	15	2379359750	90	0.00012636
2	15	2432234450	92	0.00001284
2	15	2723045050	103	0.00011224
2	15	2775919750	105	0.00005330
2	15	2828794350	107	0.00000008
2	15	3119604950	118	0.00001374
2	15	3172479650	120	0.00008528
2	15	3225354350	122	0.00000810
2	15	3516164950	133	0.00011920
2	15	3569039650	135	0.00007208

n'	n	c_x(floating point)	X	f_x
2	15	3621914250	137	0.00000120
2	15	3912724850	148	0.00004260
2	15	3965599550	150	0.00004668
2	15	4018474250	152	0.00000277
2	15	4309284850	163	0.00010840
2	15	4362159550	165	0.00007778
2	15	4415034150	167	0.00000424
2	15	4705844750	178	0.00009589
2	15	4758719450	180	0.00002128
2	15	4811594150	182	0.00000000
2	15	5102404750	193	0.00007180
2	15	5155279450	195	0.00005850
2	15	5208154050	197	0.00000548
2	15	5498964650	208	0.00018230
2	15	5551839350	210	0.00002208
2	15	5604714050	212	0.00000414
2	16	5264364448	2	0.00002900
2	16	3685055149	14	0.00000555
2	16	4211491549	16	0.00014684
2	16	4737928049	18	0.00000918
2	16	7896546649	30	0.00004488
2	16	8422983049	32	0.00000368
2	16	8949419549	34	0.00001588
2	16	1210803850	46	0.00000180
2	16	1263447550	48	0.00013592
2	16	1316091150	50	0.00001129
2	16	1631953050	62	0.00006184
2	16	1684596650	64	0.00001402
2	16	1737240350	66	0.00000660
2	16	2053102150	78	0.00000000
2	16	2105745850	80	0.00011544
2	16	2158389450	82	0.00001122
2	16	2474251350	94	0.00007736
2	16	2526894950	96	0.00002894
2	16	2579538650	98	0.00000140
2	16	2895400450	110	0.00000294
2	16	2948044150	112	0.00008828
2	16	3000687750	114	0.00000898
2	16	3316549650	126	0.00008840
2	16	3369193250	128	0.00004490
2	16	3421836950	130	0.00000000
2	16	3737698750	142	0.00001411
2	16	3790342450	144	0.00005860
2	16	3842986050	146	0.00000530
2	16	4158847950	158	0.00009104
2	16	4211491550	160	0.00005700
2	16	4264135250	162	0.00000128
2	16	4579997050	174	0.00003768
2	16	4632640750	176	0.00003200
2	16	4685284350	178	0.00000160
2	16	5001146250	190	0.00008080
2	16	5053789850	192	0.00005892
2	16	5106433550	194	0.00000348

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
2	16	5422295350	206	0.00007855
2	16	5474939050	208	0.00001552
2	16	5527582650	210	0.00000001
2	16	5843444550	222	0.00005244
2	16	5896088150	224	0.00004296
2	16	5948731850	226	0.00000412
2	16	6264593650	238	0.00014231
2	16	6317237350	240	0.00001756
2	16	6369880950	242	0.00000336
2	17	5245332848	2	0.00000582
2	17	3933999649	15	0.00002828
2	17	4458532949	17	0.00000064
2	17	4983066249	19	0.00001752
2	17	8392532549	32	0.00000296
2	17	8917065849	34	0.00011172
2	17	9441599049	36	0.00000807
2	17	1285106550	49	0.00004048
2	17	1337559950	51	0.00000562
2	17	1390013250	53	0.00000904
2	17	1730959850	66	0.00000058
2	17	1783413250	68	0.00010064
2	17	1835866550	70	0.00000899
2	17	2176813150	83	0.00005276
2	17	2229266450	85	0.00001472
2	17	2281719850	87	0.00000336
2	17	2622666450	100	0.00000022
2	17	2675119750	102	0.00008360
2	17	2727573150	104	0.00000836
2	17	3068519750	117	0.00006336
2	17	3120973050	119	0.00002624
2	17	3173426350	121	0.00000052
2	17	3514373050	134	0.00000386
2	17	3566826350	136	0.00006276
2	17	3619279650	138	0.00000633
2	17	3960226350	151	0.00007012
2	17	4012679650	153	0.00003760
2	17	4065132950	155	0.00000008
2	17	4406079650	168	0.00001389
2	17	4458532950	170	0.00004112
2	17	4510986250	172	0.00000351
2	17	4851932850	185	0.00007044
2	17	4904386250	187	0.00004536
2	17	4956839550	189	0.00000128
2	17	5297786150	202	0.00003314
2	17	5350239550	204	0.00002248
2	17	5402692850	206	0.00000093
2	17	5743639450	219	0.00006124
2	17	5796092750	221	0.00004526
2	17	5848546150	223	0.00000284
2	17	6189492750	236	0.00006487
2	17	6241946050	238	0.00001164
2	17	6294399450	240	0.00000005
2	17	6635346050	253	0.00003904

n'	n	c_x(floating point)	X	f_x
2	17	6687799350	255	0.00003214
2	17	6740252650	257	0.00000312
2	17	7081199350	270	0.00011275
2	17	7133652650	272	0.00001412
2	17	7186105950	274	0.00000275
2	18	5229463848	2	0.00001796
2	18	4183571049	16	0.00000355
2	18	4706517449	18	0.00009072
2	18	5229463849	20	0.00000554
2	18	8890088549	34	0.00002664
2	18	9413034849	36	0.00000180
2	18	9935981249	38	0.00001064
2	18	1359660650	52	0.00000144
2	18	1411955250	54	0.00008536
2	18	1464249950	56	0.00000683
2	18	1830312350	70	0.00003592
2	18	1882607050	72	0.00000692
2	18	1934901650	74	0.00000516
2	18	2300964150	88	0.00000009
2	18	2353258750	90	0.00007520
2	18	2405553350	92	0.00000708
2	18	2771615850	106	0.00004480
2	18	2823910550	108	0.00001456
2	18	2876205150	110	0.00000168
2	18	3242267650	124	0.00000064
2	18	3294562250	126	0.00006136
2	18	3346856850	128	0.00000623
2	18	3712919350	142	0.00005204
2	18	3765213950	144	0.00002336
2	18	3817508650	146	0.00000016
2	18	4183571050	160	0.00000449
2	18	4235865750	162	0.00004536
2	18	4288160350	164	0.00000449
2	18	4654222850	178	0.00005608
2	18	4706517450	180	0.00003144
2	18	4758812150	182	0.00000020
2	18	5124874550	196	0.00001332
2	18	5177169250	198	0.00002940
2	18	5229463850	200	0.00000234
2	18	5595526350	214	0.00005512
2	18	5647820950	216	0.00003638
2	18	5700115550	218	0.00000124
2	18	6066178050	232	0.00002908
2	18	6118472650	234	0.00001620
2	18	6170767350	236	0.00000053
2	18	6536829850	250	0.00004704
2	18	6589124450	252	0.00003522
2	18	6641419050	254	0.00000236
2	18	7007481550	268	0.00005397
2	18	7059776150	270	0.00000900
2	18	7112070850	272	0.00000008
2	18	7478133250	286	0.00002956
2	18	7530427950	288	0.00002444

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
2	18	7582722550	290	0.00000240
2	18	7948785050	304	0.00009050
2	18	8001079650	306	0.00001148
2	18	8053374350	308	0.00000227
3	4	6745995049	1	0.08835376
3	4	1349199050	2	0.42658501
3	4	2023798550	3	0.18955104
3	4	2698398050	4	0.40063822
3	4	3372997550	5	0.38884590
3	4	4047597050	6	0.23159256
3	4	4722196550	7	0.00717456
3	4	5396796050	8	0.00849172
3	4	6071395550	9	0.00490800
3	4	6745995050	10	0.00007759
3	4	7420594550	11	0.00021030
3	4	8095194050	12	0.00013863
3	4	9444393050	14	0.00000084
3	4	1011899351	15	0.00000096
3	4	1214279151	18	0.00000001
3	5	3152406449	1	0.00701476
3	5	6304812849	2	0.00132604
3	5	9457219249	3	0.04612912
3	5	1260962650	4	0.00181619
3	5	1576203250	5	0.16478076
3	5	1891443850	6	0.00383693
3	5	2206684550	7	0.15153112
3	5	2521925150	8	0.02121670
3	5	2837165850	9	0.07240416
3	5	3152406450	10	0.06307326
3	5	3467647050	11	0.00064976
3	5	3782887750	12	0.07978360
3	5	4098128350	13	0.00271960
3	5	4413369050	14	0.05436047
3	5	4728609650	15	0.00393612
3	5	5043850250	16	0.00006286
3	5	5359090950	17	0.00258148
3	5	5674331550	18	0.00022100
3	5	6304812850	20	0.00017902
3	5	6620053450	21	0.00000220
3	5	7250534750	23	0.00000308
3	5	8196256650	26	0.00000006
3	6	6886536649	3	0.03365236
3	6	1377307350	6	0.01125917
3	6	2065961050	9	0.00511658
3	6	2754614650	12	0.02996764
3	6	3443268350	15	0.04404418
3	6	4131922050	18	0.04266760
3	6	4820575650	21	0.02940876
3	6	5509229350	24	0.02392124
3	6	6197882950	27	0.00167488
3	6	6886536650	30	0.00016249

n'	n	c_x(floating point)	X	f_x
3	6	7575190350	33	0.00000416
3	6	8263843950	36	0.00000013
3	7	1937645549	1	0.00078980
3	7	5812936549	3	0.00645700
3	7	7750582049	4	0.00036836
3	7	1162587350	6	0.00051183
3	7	1356351950	7	0.01985392
3	7	1550116450	8	0.00040205
3	7	1937645550	10	0.00230226
3	7	2131410150	11	0.01558500
3	7	2518939250	13	0.00000048
3	7	2712703750	14	0.00385738
3	7	2906468350	15	0.00494664
3	7	3293997450	17	0.00040024
3	7	3487761950	18	0.00207510
3	7	3875291050	20	0.00007352
3	7	4069055650	21	0.00761440
3	7	4262820150	22	0.00027540
3	7	4650349250	24	0.00110816
3	7	4844113850	25	0.01397656
3	7	5231642950	27	0.00007240
3	7	5425407450	28	0.00661920
3	7	5619172050	29	0.01067836
3	7	6006701150	31	0.00056100
3	7	6200465650	32	0.01268826
3	7	6587994750	34	0.00002156
3	7	6781759350	35	0.00116224
3	7	6975523850	36	0.01097629
3	7	7363052950	38	0.00011788
3	7	7556817550	39	0.00094984
3	7	7944346650	41	0.00000240
3	7	8138111150	42	0.00012990
3	7	8719404850	45	0.00000436
3	7	9300698450	48	0.00000018
3	8	3496767249	2	0.00029505
3	8	5245150849	3	0.00071686
3	8	8741918049	5	0.00539912
3	8	1049030250	6	0.00008200
3	8	1398706950	8	0.00041412
3	8	1748383650	10	0.00098592
3	8	1923222050	11	0.00154656
3	8	2272898750	13	0.00000326
3	8	2447737050	14	0.00016250
3	8	2797413850	16	0.00779072
3	8	3147090550	18	0.00007402
3	8	3321928850	19	0.00110590
3	8	3671605650	21	0.00827848
3	8	3846443950	22	0.00001340
3	8	4196120650	24	0.00264091
3	8	4545797450	26	0.00330032
3	8	4720635750	27	0.00003264
3	8	5070312450	29	0.00199488

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
3	8	5245150850	30	0.00001034
3	8	5594827550	32	0.00247424
3	8	5944504250	34	0.00043572
3	8	6119342650	35	0.00032600
3	8	6469019350	37	0.00585416
3	8	6643857750	38	0.00002780
3	8	6993534450	40	0.00286193
3	8	7343211150	42	0.00536880
3	8	7518049550	43	0.00028992
3	8	7867726250	45	0.00654918
3	8	8042564650	46	0.00001238
3	8	8392241350	48	0.00070228
3	8	8741918050	50	0.00626562
3	8	8916756450	51	0.00008232
3	8	9266433150	53	0.00063184
3	8	9441271450	54	0.00000200
3	8	9790948250	56	0.00010255
3	8	1031546351	59	0.00000408
3	8	1083997851	62	0.00000020
3	9	4902622549	3	0.00208368
3	9	9805245049	6	0.00029149
3	9	1470786850	9	0.00553204
3	9	1961049050	12	0.00071535
3	9	2451311350	15	0.00386400
3	9	2941573550	18	0.00064775
3	9	3431835850	21	0.00131076
3	9	3922098050	24	0.00018186
3	9	4412360350	27	0.00333852
3	9	4902622550	30	0.00052464
3	9	5392884850	33	0.00459140
3	9	5883147050	36	0.00168576
3	9	6373409350	39	0.00222248
3	9	6863671550	42	0.00162300
3	9	7353933850	45	0.00095756
3	9	7844196050	48	0.00056487
3	9	8334458350	51	0.00277772
3	9	8824720550	54	0.00137597
3	9	9314982850	57	0.00313496
3	9	9805245050	60	0.00371512
3	9	1029550751	63	0.00044580
3	9	1078577051	66	0.00394466
3	9	1127603251	69	0.00043972
3	9	1176629451	72	0.00008047
3	9	1225655651	75	0.00000364
3	9	1274681951	78	0.00000020
3	10	4677788749	3	0.00022970
3	10	6237051649	4	0.00009936
3	10	9355577449	6	0.00003600
3	10	1091484050	7	0.00171452
3	10	1559262950	10	0.00008595
3	10	2027041850	13	0.00067404
3	10	2182968150	14	0.00025840

n'	n	c_x(floating point)	X	f_x
3	10	2494820650	16	0.00006621
3	10	2650746950	17	0.00000794
3	10	3118525850	20	0.00291828
3	10	3586304750	23	0.00038160
3	10	3742231050	24	0.00005273
3	10	4054083550	26	0.00000040
3	10	4210009850	27	0.00263556
3	10	4677788750	30	0.00062857
3	10	5145567650	33	0.00009224
3	10	5301493950	34	0.00078464
3	10	5613346450	36	0.00001615
3	10	5769272750	37	0.00024008
3	10	6237051650	40	0.00154232
3	10	6704830550	43	0.00024904
3	10	6860756850	44	0.00000498
3	10	7172609350	46	0.00001064
3	10	7328535650	47	0.00264132
3	10	7796314550	50	0.00106707
3	10	8264093450	53	0.00002272
3	10	8420019750	54	0.00150352
3	10	8731872250	56	0.00000002
3	10	8887798550	57	0.00124958
3	10	9355577450	60	0.00043112
3	10	9823356350	63	0.00003136
3	10	9979282650	64	0.00043111
3	10	1029113551	66	0.00000472
3	10	1044706151	67	0.00143072
3	10	1091484051	70	0.00071545
3	10	1138261951	73	0.00009204
3	10	1153854551	74	0.00177028
3	10	1185039851	76	0.00000433
3	10	1200632451	77	0.00224492
3	10	1247410351	80	0.00029444
3	10	1294188251	83	0.00004136
3	10	1309780851	84	0.00255851
3	10	1340966151	86	0.00000128
3	10	1356558751	87	0.00031404
3	10	1403336651	90	0.00006334
3	10	1450114551	93	0.00000312
3	10	1496892451	96	0.00000019
3	11	4521245449	3	0.00075844
3	11	7535409049	5	0.00007048
3	11	9042490849	6	0.00005838
3	11	1205665450	8	0.00006890
3	11	1657790050	11	0.00217672
3	11	2109914550	14	0.00021102
3	11	2411330950	16	0.00005812
3	11	2562039150	17	0.00000472
3	11	2863455450	19	0.00139120
3	11	3315580050	22	0.00017023
3	11	3767704550	25	0.00024372
3	11	4069120950	27	0.00027188
3	11	4219829050	28	0.00002900

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
3	11	4521245450	30	0.00000740
3	11	4973369950	33	0.00158324
3	11	5425494550	36	0.00023480
3	11	5726910850	38	0.00001595
3	11	5877619050	39	0.00000244
3	11	6179035450	41	0.00178368
3	11	6631159950	44	0.00052147
3	11	7083284550	47	0.00001996
3	11	7384700850	49	0.00063548
3	11	7535409050	50	0.00000482
3	11	7836825450	52	0.00028352
3	11	8288949950	55	0.00076068
3	11	8741074450	58	0.00012110
3	11	9042490850	60	0.00002106
3	11	9193199050	61	0.00000692
3	11	9494615350	63	0.00158620
3	11	9946739950	66	0.00068289
3	11	1039886451	69	0.00002512
3	11	1070028151	71	0.00104572
3	11	1085098951	72	0.00000035
3	11	1115240551	74	0.00094690
3	11	1160453051	77	0.00022268
3	11	1205665451	80	0.00000892
3	11	1235807151	82	0.00037886
3	11	1250877951	83	0.00000200
3	11	1281019551	85	0.00079468
3	11	1326232051	88	0.00039545
3	11	1371444451	91	0.00005548
3	11	1401586151	93	0.00111196
3	11	1416656951	94	0.00000265
3	11	1446798551	96	0.00143090
3	11	1492011051	99	0.00020104
3	11	1537223451	102	0.00003000
3	11	1567365151	104	0.00176158
3	11	1582435951	105	0.00000100
3	11	1612577551	107	0.00023128
3	11	1657790051	110	0.00005021
3	11	1703002451	113	0.00000268
3	11	1748214951	116	0.00000018
3	12	4407383449	3	0.00009746
3	12	8814766849	6	0.00006103
3	12	1322215050	9	0.00071540
3	12	1762953450	12	0.00002550
3	12	2203691750	15	0.00033748
3	12	2644430050	18	0.00012485
3	12	3085168450	21	0.00001168
3	12	3525906750	24	0.00133992
3	12	3966645150	27	0.00016222
3	12	4407383450	30	0.00003061
3	12	4848121750	33	0.00107468
3	12	5288860150	36	0.00019950
3	12	5729598450	39	0.00008744
3	12	6170336850	42	0.00027038
3	12	6611075150	45	0.00003530
3	12	7051813450	48	0.00088608
3	12	7492551850	51	0.00014116
3	12	7933290150	54	0.00000579
3	12	8374028550	57	0.00121408
3	12	8814766850	60	0.00040561
3	12	9255505150	63	0.00000436
3	12	9696243550	66	0.00050666
3	12	1013698251	69	0.00028310
3	12	1057772051	72	0.00039800
3	12	1101845951	75	0.00005976
3	12	1145919751	78	0.00003951
3	12	1189993551	81	0.00098720
3	12	1234067451	84	0.00044467
3	12	1278141251	87	0.00002312
3	12	1322215051	90	0.00074338
3	12	1366288951	93	0.00071666
3	12	1410362751	96	0.00012988
3	12	1454436551	99	0.00000198
3	12	1498510451	102	0.00032528
3	12	1542584251	105	0.00046816
3	12	1586658051	108	0.00022973
3	12	1630731951	111	0.00003464
3	12	1674805751	114	0.00073089
3	12	1718879551	117	0.00095018
3	12	1762953451	120	0.00014112
3	12	1807027251	123	0.00002210
3	12	1851101051	126	0.00125736
3	12	1895174951	129	0.00017424
3	12	1939248751	132	0.00004014
3	12	1983322551	135	0.00000228
3	12	2027396451	138	0.00000016
3	13	4321722049	3	0.00036584
3	13	8643444049	6	0.00002800
3	13	1008401850	7	0.00003104
3	13	1440574050	10	0.00003706
3	13	1872746250	13	0.00103768
3	13	2304918450	16	0.00009488
3	13	2737090650	19	0.00000368
3	13	2881148050	20	0.00002885
3	13	3313320250	23	0.00062004
3	13	3745492450	26	0.00005802
3	13	4177664650	29	0.00015076
3	13	4609836850	32	0.00001669
3	13	4753894250	33	0.00010324
3	13	5186066450	36	0.00000000
3	13	5618238650	39	0.00083216
3	13	6050410850	42	0.00011564
3	13	6482583050	45	0.00000028
3	13	6626640450	46	0.00001424
3	13	7058812650	49	0.00081288
3	13	7490984850	52	0.00019320
3	13	7923157050	55	0.00003036

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
3	13	8355329250	58	0.00000529
3	13	8499386650	59	0.00023164
3	13	8931558850	62	0.00005962
3	13	9363731050	65	0.00051148
3	13	9795903250	68	0.00008440
3	13	1022807551	71	0.00000284
3	13	1037213351	72	0.00000000
3	13	1080430551	75	0.00083608
3	13	1123647751	78	0.00030687
3	13	1166864951	81	0.00000264
3	13	1210082251	84	0.00000024
3	13	1224487951	85	0.00039964
3	13	1267705151	88	0.00026100
3	13	1310922351	91	0.00022004
3	13	1354139651	94	0.00002974
3	13	1397356851	97	0.00000264
3	13	1411762551	98	0.00004421
3	13	1454979751	101	0.00063416
3	13	1498197051	104	0.00029511
3	13	1541414251	107	0.00001948
3	13	1584631451	110	0.00000065
3	13	1599037151	111	0.00053820
3	13	1642254451	114	0.00054530
3	13	1685471651	117	0.00008372
3	13	1728688851	120	0.00000020
3	13	1771906051	123	0.00000036
3	13	1786311851	124	0.00027469
3	13	1829529051	127	0.00028996
3	13	1872746251	130	0.00013916
3	13	1915963451	133	0.00002228
3	13	1959180651	136	0.00000105
3	13	1973586451	137	0.00049548
3	13	2016803651	140	0.00065252
3	13	2060020851	143	0.00010144
3	13	2103238051	146	0.00001654
3	13	2146455351	149	0.00000060
3	13	2160861051	150	0.00092254
3	13	2204078251	153	0.00013384
3	13	2247295451	156	0.00003238
3	13	2290512751	159	0.00000192
3	13	2333729951	162	0.00000014
3	14	4255517149	3	0.00004876
3	14	8511034249	6	0.00000972
3	14	1134804650	8	0.00002193
3	14	1560356350	11	0.00035196
3	14	1985908050	14	0.00000941
3	14	2411459750	17	0.00018724
3	14	2837011450	20	0.00001707
3	14	3120712550	22	0.00004080
3	14	3546264350	25	0.00001012
3	14	3971816050	28	0.00070208
3	14	4397367750	31	0.00007962
3	14	4822919450	34	0.00000040
3	14	5106620550	36	0.00001782
3	14	5532172250	39	0.00051424
3	14	5957723950	42	0.00007657
3	14	6383275750	45	0.00006716
3	14	6808827450	48	0.00000863
3	14	7092528550	50	0.00010428
3	14	7518080250	53	0.00000482
3	14	7943631950	56	0.00052416
3	14	8369183650	59	0.00007960
3	14	8794735350	62	0.00000080
3	14	9078436550	64	0.00000562
3	14	9503988250	67	0.00061048
3	14	9929539950	70	0.00017105
3	14	1035509251	73	0.00000992
3	14	1078064351	76	0.00000217
3	14	1106434451	78	0.00020192
3	14	1148989651	81	0.00007416
3	14	1191544851	84	0.00030428
3	14	1234100051	87	0.00005052
3	14	1276655151	90	0.00000228
3	14	1305025251	92	0.00000153
3	14	1347580451	95	0.00058388
3	14	1390135651	98	0.00022975
3	14	1432690851	101	0.00000352
3	14	1475245951	104	0.00000001
3	14	1503616051	106	0.00031616
3	14	1546171251	109	0.00023076
3	14	1588726451	112	0.00012828
3	14	1631281651	115	0.00001480
3	14	1673836751	118	0.00000160
3	14	1702206851	120	0.00004867
3	14	1744762051	123	0.00041908
3	14	1787317251	126	0.00019959
3	14	1829872451	129	0.00001568
3	14	1872427551	132	0.00000061
3	14	1900797651	134	0.00039712
3	14	1943352851	137	0.00041838
3	14	1985908051	140	0.00005832
3	14	2028463251	143	0.00000002
3	14	2071018351	146	0.00000012
3	14	2099388451	148	0.00023163
3	14	2141943651	151	0.00018760
3	14	2184498851	154	0.00008740
3	14	2227053951	157	0.00001476
3	14	2269609151	160	0.00000068
3	14	2297979251	162	0.00034672
3	14	2340534451	165	0.00046088
3	14	2383089651	168	0.00007452
3	14	2425644751	171	0.00001256
3	14	2468199951	174	0.00000048
3	14	2496570051	176	0.00069369
3	14	2539125251	179	0.00010456
3	14	2581680451	182	0.00002636
3	14	2624235551	185	0.00000164

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
3	14	2666790751	188	0.00000013
3	15	4203208549	3	0.00019880
3	15	8406417049	6	0.00001516
3	15	1260962650	9	0.00001572
3	15	1681283450	12	0.00002174
3	15	2101604350	15	0.00055980
3	15	2521925150	18	0.00004890
3	15	2942246050	21	0.00000268
3	15	3362566850	24	0.00001590
3	15	3782887750	27	0.00031716
3	15	4203208550	30	0.00002349
3	15	4623529450	33	0.00009592
3	15	5043850250	36	0.00001009
3	15	5464171150	39	0.00004648
3	15	5884491950	42	0.00000104
3	15	6304812850	45	0.00047580
3	15	6725133650	48	0.00006216
3	15	7145454550	51	0.00000000
3	15	7565775350	54	0.00001023
3	15	7986096250	57	0.00041668
3	15	8406417050	60	0.00008213
3	15	8826737950	63	0.00002952
3	15	9247058750	66	0.00000440
3	15	9667379650	69	0.00009972
3	15	1008770051	72	0.00001348
3	15	1050802151	75	0.00033556
3	15	1092834251	78	0.00005390
3	15	1134866351	81	0.00000104
3	15	1176898451	84	0.00000160
3	15	1218930551	87	0.00045844
3	15	1260962651	90	0.00014451
3	15	1302994651	93	0.00000304
3	15	1345026751	96	0.00000083
3	15	1387058851	99	0.00017304
3	15	1429090951	102	0.00008016
3	15	1471123051	105	0.00018628
3	15	1513155151	108	0.00003036
3	15	1555187151	111	0.00000172
3	15	1597219251	114	0.00000427
3	15	1639251351	117	0.00041376
3	15	1681283451	120	0.00017168
3	15	1723315551	123	0.00000432
3	15	1765347651	126	0.00000001
3	15	1807379751	129	0.00025104
3	15	1849411751	132	0.00019940
3	15	1891443851	135	0.00007880
3	15	1933475951	138	0.00000728
3	15	1975508051	141	0.00000096
3	15	2017540151	144	0.00004985
3	15	2059572251	147	0.00028408
3	15	2101604351	150	0.00013745
3	15	2143636351	153	0.00001240
3	15	2185668451	156	0.00000053

n'	n	c_x(floating point)	X	f_x
3	15	2227700551	159	0.00029788
3	15	2269732651	162	0.00032404
3	15	2311764751	165	0.00004300
3	15	2353796851	168	0.00000028
3	15	2395828851	171	0.00000004
3	15	2437860951	174	0.00019532
3	15	2479893051	177	0.00012608
3	15	2521925151	180	0.00005669
3	15	2563957251	183	0.00001000
3	15	2605989351	186	0.00000044
3	15	2648021451	189	0.00024880
3	15	2690053451	192	0.00033342
3	15	2732085551	195	0.00005568
3	15	2774117651	198	0.00000966
3	15	2816149751	201	0.00000040
3	15	2858181851	204	0.00053229
3	15	2900213951	207	0.00008288
3	15	2942246051	210	0.00002164
3	15	2984278051	213	0.00000136
3	15	3026310151	216	0.00000011
3	16	4161112249	3	0.00002724
3	16	8322224449	6	0.00000576
3	16	1387037450	10	0.00001234
3	16	1803148650	13	0.00019348
3	16	2219259850	16	0.00000404
3	16	2635371150	19	0.00011216
3	16	3051482350	22	0.00000999
3	16	3606297250	26	0.00002040
3	16	4022408550	29	0.00000778
3	16	4438519750	32	0.00040368
3	16	4854630950	35	0.00004332
3	16	5270742150	38	0.00000052
3	16	5825557150	42	0.00001086
3	16	6241668350	45	0.00027516
3	16	6657779550	48	0.00003364
3	16	7073890750	51	0.00004904
3	16	7490002050	54	0.00000587
3	16	8044816950	58	0.00004872
3	16	8460928150	61	0.00000032
3	16	8877039450	64	0.00032448
3	16	9293150650	67	0.00004672
3	16	9709261850	70	0.00000016
3	16	1026407751	74	0.00000539
3	16	1068018851	77	0.00033364
3	16	1109629951	80	0.00007950
3	16	1151241051	83	0.00001264
3	16	1192852251	86	0.00000221
3	16	1248333751	90	0.00009216
3	16	1289944851	93	0.00002122
3	16	1331555951	96	0.00021844
3	16	1373167051	99	0.00003626
3	16	1414778151	102	0.00000104
3	16	1470259651	106	0.00000017

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
3	16	1511870851	109	0.00034564
3	16	1553481951	112	0.00011900
3	16	1595093051	115	0.00000112
3	16	1636704151	118	0.00000029
3	16	1692185651	122	0.00014700
3	16	1733796851	125	0.00008026
3	16	1775407951	128	0.00011728
3	16	1817019051	131	0.00001830
3	16	1858630151	134	0.00000124
3	16	1914111651	138	0.00000695
3	16	1955722751	141	0.00029752
3	16	1997333951	144	0.00012862
3	16	2038945051	147	0.00000464
3	16	2080556151	150	0.00000006
3	16	2136037651	154	0.00020048
3	16	2177648751	157	0.00017018
3	16	2219259851	160	0.00005092
3	16	2260871051	163	0.00000350
3	16	2302482151	166	0.00000056
3	16	2357963651	170	0.00004890
3	16	2399574751	173	0.00019700
3	16	2441185851	176	0.00009627
3	16	2482796951	179	0.00000968
3	16	2524408151	182	0.00000044
3	16	2579889651	186	0.00022684
3	16	2621500751	189	0.00025342
3	16	2663111851	192	0.00003300
3	16	2704722951	195	0.00000056
3	16	2746334151	198	0.00000000
3	16	2801815551	202	0.00016506
3	16	2843426751	205	0.00008776
3	16	2885037851	208	0.00003784
3	16	2926648951	211	0.00000692
3	16	2968260051	214	0.00000029
3	16	3023741551	218	0.00018244
3	16	3065352751	221	0.00024626
3	16	3106963851	224	0.00004232
3	16	3148574951	227	0.00000752
3	16	3190186051	230	0.00000032
3	16	3245667551	234	0.00041562
3	16	3287278651	237	0.00006656
3	16	3328889851	240	0.00001791
3	16	3370500951	243	0.00000116
3	16	3412112051	246	0.00000010
3	17	4126701049	3	0.00011752
3	17	8253402049	6	0.00000894
3	17	1513123750	11	0.00000876
3	17	1925793850	14	0.00001360
3	17	2338463950	17	0.00032940
3	17	2751134050	20	0.00002776
3	17	3163804150	23	0.00000192
3	17	3851587650	28	0.00000946
3	17	4264257750	31	0.00017880

n'	n	c_x(floating point)	X	f_x
3	17	4676927850	34	0.00001076
3	17	5089597950	37	0.00006328
3	17	5502268050	40	0.00000641
3	17	6190051550	45	0.00002356
3	17	6602721650	48	0.00000174
3	17	7015391750	51	0.00029068
3	17	7428061850	54	0.00003594
3	17	7840731950	57	0.00000004
3	17	8528515450	62	0.00000704
3	17	8941185550	65	0.00023344
3	17	9353855650	68	0.00003881
3	17	9766525750	71	0.00002492
3	17	1017919651	74	0.00000337
3	17	1086697951	79	0.00004848
3	17	1127964951	82	0.00000290
3	17	1169232051	85	0.00022328
3	17	1210499051	88	0.00003440
3	17	1251766051	91	0.00000036
3	17	1320544351	96	0.00000252
3	17	1361811351	99	0.00026572
3	17	1403078351	102	0.00007263
3	17	1444345451	105	0.00000520
3	17	1485612451	108	0.00000108
3	17	1554390751	113	0.00008340
3	17	1595657751	116	0.00002668
3	17	1636924751	119	0.00014468
3	17	1678191751	122	0.00002434
3	17	1719458851	125	0.00000092
3	17	1788237151	130	0.00000007
3	17	1829504151	133	0.00026212
3	17	1870771151	136	0.00009665
3	17	1912038151	139	0.00000084
3	17	1953305151	142	0.00000008
3	17	2022083551	147	0.00012428
3	17	2063350551	150	0.00007678
3	17	2104617551	153	0.00007592
3	17	2145884551	156	0.00001106
3	17	2187151551	159	0.00000088
3	17	2255929951	164	0.00000912
3	17	2297196951	167	0.00021692
3	17	2338463951	170	0.00009688
3	17	2379730951	173	0.00000448
3	17	2420997951	176	0.00000010
3	17	2489776351	181	0.00016108
3	17	2531043351	184	0.00014430
3	17	2572310351	187	0.00003456
3	17	2613577351	190	0.00000160
3	17	2654844351	193	0.00000036
3	17	2723622751	198	0.00004667
3	17	2764889751	201	0.00013952
3	17	2806156751	204	0.00006849
3	17	2847423751	207	0.00000756
3	17	2888690751	210	0.00000036
3	17	2957469151	215	0.00017512

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
3	17	2998736151	218	0.00020010
3	17	3040003151	221	0.00002608
3	17	3081270151	224	0.00000078
3	17	3122537151	227	0.00000000
3	17	3191315451	232	0.00013996
3	17	3232582551	235	0.00006292
3	17	3273849551	238	0.00002593
3	17	3315116551	241	0.00000488
3	17	3356383551	244	0.00000019
3	17	3425161851	249	0.00013632
3	17	3466428851	252	0.00018520
3	17	3507695951	255	0.00003260
3	17	3548962951	258	0.00000592
3	17	3590229951	261	0.00000024
3	17	3659008251	266	0.00032948
3	17	3700275251	269	0.00005408
3	17	3741542251	272	0.00001494
3	17	3782809351	275	0.00000100
3	17	3824076351	278	0.00000009
3	18	4098192049	3	0.00001646
3	18	8196384049	6	0.00000360
3	18	1639276850	12	0.00000749
3	18	2049096050	15	0.00011524
3	18	2458915250	18	0.00000193
3	18	2868734450	21	0.00007128
3	18	3278553650	24	0.00000623
3	18	4098192050	30	0.00001124
3	18	4508011250	33	0.00000582
3	18	4917830450	36	0.00024872
3	18	5327649650	39	0.00002548
3	18	5737468850	42	0.00000052
3	18	6557107250	48	0.00000692
3	18	6966926450	51	0.00015992
3	18	7376745650	54	0.00001634
3	18	7786564850	57	0.00003568
3	18	8196384050	60	0.00000405
3	18	9016022450	66	0.00002528
3	18	9425841650	69	0.00000004
3	18	9835660850	72	0.00020988
3	18	1024548051	75	0.00002872
3	18	1065529951	78	0.00000004
3	18	1147493851	84	0.00000432
3	18	1188475751	87	0.00019540
3	18	1229457651	90	0.00004009
3	18	1270439551	93	0.00001252
3	18	1311421451	96	0.00000192
3	18	1393385351	102	0.00004664
3	18	1434367251	105	0.00000626
3	18	1475349151	108	0.00015516
3	18	1516331051	111	0.00002504
3	18	1557313051	114	0.00000044
3	18	1639276851	120	0.00000096
3	18	1680258751	123	0.00021140

n'	n	c_x(floating point)	X	f_x
3	18	1721240651	126	0.00006409
3	18	1762222651	129	0.00000204
3	18	1803204551	132	0.00000051
3	18	1885168351	138	0.00007444
3	18	1926150251	141	0.00002990
3	18	1967132251	144	0.00009748
3	18	2008114151	147	0.00001634
3	18	2049096051	150	0.00000076
3	18	2131059851	156	0.00000059
3	18	2172041851	159	0.00020020
3	18	2213023751	162	0.00007795
3	18	2254005651	165	0.00000108
3	18	2294987551	168	0.00000001
3	18	2376951451	174	0.00010496
3	18	2417933351	177	0.00007136
3	18	2458915251	180	0.00005048
3	18	2499897151	183	0.00000668
3	18	2540879051	186	0.00000060
3	18	2622842951	192	0.00001067
3	18	2663824851	195	0.00016028
3	18	2704806751	198	0.00007343
3	18	2745788651	201	0.00000416
3	18	2868734451	210	0.00013032
3	18	2909716351	213	0.00012206
3	18	2950698251	216	0.00002452
3	18	2991680251	219	0.00000068
3	18	3032662151	222	0.00000020
3	18	3114625951	228	0.00004376
3	18	3155607851	231	0.00010068
3	18	3196589851	234	0.00004945
3	18	3237571751	237	0.00000588
3	18	3278553651	240	0.00000058
3	18	3360517451	246	0.00013688
3	18	3401499451	249	0.00015948
3	18	3442481351	252	0.00002100
3	18	3483463251	255	0.00000090
3	18	3524445151	258	0.00000000
3	18	3606409051	264	0.00011915
3	18	3647390951	267	0.00004640
3	18	3688372851	270	0.00001822
3	18	3729354751	273	0.00000352
3	18	3770336651	276	0.00000013
3	18	3852300551	282	0.00010360
3	18	3893282451	285	0.00014152
3	18	3934264351	288	0.00002548
3	18	3975246251	291	0.00000472
3	18	4016228251	294	0.00000020
3	18	4098192051	300	0.00026469
3	18	4139173951	303	0.00004440
3	18	4180155851	306	0.00001255
3	18	4221137851	309	0.00000088
3	18	4262119751	312	0.00000008
4	5	3148850950	1	0.20040344

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
4	5	6297701850	2	0.17246424
4	5	9446552750	3	0.54526364
4	5	1259540451	4	0.36740897
4	5	1574425551	5	0.64494102
4	5	1889310551	6	0.68754254
4	5	2204195651	7	0.55471992
4	5	2519080751	8	0.30999947
4	5	2833965851	9	0.01283636
4	5	3148850951	10	0.01524048
4	5	3463736051	11	0.01229648
4	5	3778621151	12	0.00588440
4	5	4093506251	13	0.00019806
4	5	4408391351	14	0.00036573
4	5	4723276451	15	0.00033212
4	5	5038161451	16	0.00014922
4	5	5353046551	17	0.00000068
4	5	5667931651	18	0.00000208
4	5	5982816751	19	0.00000248
4	5	6297701851	20	0.00000128
4	5	6927472051	22	0.00000001
4	5	7242357151	23	0.00000002
4	5	7557242251	24	0.00000001
4	5	8501897451	27	0.00000000
4	5	8816782551	28	0.00000000
4	5	1007632352	32	0.00000000
4	6	2644430050	2	0.02793655
4	6	5288860050	4	0.09981954
4	6	7933290050	6	0.26287717
4	6	1057772051	8	0.28441544
4	6	1322215051	10	0.23281764
4	6	1586658051	12	0.17528310
4	6	1851101051	14	0.12975310
4	6	2115544051	16	0.12628120
4	6	2379987051	18	0.08012662
4	6	2644430051	20	0.00643782
4	6	2908873051	22	0.00362368
4	6	3173316051	24	0.00041526
4	6	3437759051	26	0.00022050
4	6	3702202051	28	0.00000800
4	6	3966645051	30	0.00000469
4	6	4231088051	32	0.00000016
4	6	4495531051	34	0.00000012
4	6	4759974051	36	0.00000000
4	6	5024417051	38	0.00000000
4	6	5553303051	42	0.00000000
4	7	8997489549	1	0.00420394
4	7	1799497950	2	0.00115559
4	7	2699246950	3	0.05948660
4	7	3598995850	4	0.00723100
4	7	4498744850	5	0.00002780
4	7	5398493750	6	0.02426936
4	7	6298242750	7	0.00686560

n'	n	c_x(floating point)	X	f_x
4	7	7197991650	8	0.00095380
4	7	8097740650	9	0.00510580
4	7	8997489550	10	0.00291154
4	7	9897238550	11	0.00846364
4	7	1079698751	12	0.00015858
4	7	1169673651	13	0.00035192
4	7	1259648551	14	0.04159768
4	7	1349623451	15	0.00155226
4	7	1439598351	16	0.00001708
4	7	1529573251	17	0.06381332
4	7	1619548151	18	0.00750913
4	7	1709523051	19	0.00007496
4	7	1799497951	20	0.05879420
4	7	1889472851	21	0.02408002
4	7	1979447751	22	0.00055596
4	7	2069422651	23	0.03014384
4	7	2159397551	24	0.04151889
4	7	2249372451	25	0.00191448
4	7	2339347351	26	0.00001471
4	7	2429322251	27	0.04589300
4	7	2519297151	28	0.00337200
4	7	2609272051	29	0.00009484
4	7	2699246951	30	0.03022755
4	7	2789221751	31	0.00356764
4	7	2879196651	32	0.00027362
4	7	2969171551	33	0.00000140
4	7	3059146451	34	0.00200512
4	7	3149121351	35	0.00035858
4	7	3239096251	36	0.00000656
4	7	3419046051	38	0.00021063
4	7	3509020951	39	0.00001100
4	7	3598995851	40	0.00000010
4	7	3778945651	42	0.00000720
4	7	3868920551	43	0.00000034
4	7	4138845251	46	0.00000030
4	7	4228820151	47	0.00000000
4	7	4498744851	50	0.00000000
4	7	4858644351	54	0.00000000
4	8	2901980850	4	0.01456094
4	8	5803961650	8	0.03372508
4	8	8705942450	12	0.03441762
4	8	1160792351	16	0.02235374
4	8	1450990451	20	0.00971353
4	8	1741188551	24	0.01133436
4	8	2031386651	28	0.02204814
4	8	2321584651	32	0.03141296
4	8	2611782751	36	0.03205722
4	8	2901980851	40	0.02371096
4	8	3192178951	44	0.01798852
4	8	3482377051	48	0.00161636
4	8	3772575051	52	0.00019678
4	8	4062773151	56	0.00000884
4	8	4352971251	60	0.00000047

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(flooting point)	X	f_x
4	8	4643169351	64	0.00000000
4	8	4933367451	68	0.00000000
4	9	6337243749	1	0.00083674
4	9	1901173150	3	0.00001136
4	9	2534897550	4	0.00125901
4	9	3168621950	5	0.01112412
4	9	3802346250	6	0.00021504
4	9	5069795050	8	0.00040256
4	9	5703519350	9	0.00074484
4	9	6337243750	10	0.00377640
4	9	7604692450	12	0.00005620
4	9	8238416850	13	0.00324052
4	9	8872141250	14	0.00006103
4	9	9505865650	15	0.00055336
4	9	1077331451	17	0.00052176
4	9	1140703951	18	0.01161264
4	9	1204076351	19	0.00006874
4	9	1330821251	21	0.00001252
4	9	1394193651	22	0.00202472
4	9	1457566151	23	0.01482888
4	9	1520938551	24	0.00013255
4	9	1647683451	26	0.00003032
4	9	1711055851	27	0.00415086
4	9	1774428251	28	0.01001428
4	9	1901173151	30	0.00000020
4	9	1964545551	31	0.00008544
4	9	2027918051	32	0.00410794
4	9	2091290451	33	0.00314496
4	9	2218035351	35	0.00003140
4	9	2281407751	36	0.00272928
4	9	2344780251	37	0.00197662
4	9	2471525051	39	0.00000448
4	9	2534897551	40	0.00047675
4	9	2598269951	41	0.00757664
4	9	2661642451	42	0.00032499
4	9	2788387251	44	0.00006964
4	9	2851759751	45	0.00314646
4	9	2915132151	46	0.01061508
4	9	3041877051	48	0.00000277
4	9	3105249451	49	0.00041736
4	9	3168621951	50	0.00819644
4	9	3231994351	51	0.00743824
4	9	3358739251	53	0.00002922
4	9	3422111651	54	0.00104772
4	9	3485484051	55	0.01185134
4	9	3612228951	57	0.00000072
4	9	3675601351	58	0.00012460
4	9	3738973851	59	0.00141260
4	9	3802346251	60	0.00915070
4	9	3929091151	62	0.00000488
4	9	3992463551	63	0.00021700
4	9	4055836051	64	0.00092296
4	9	4182580851	66	0.00000011

n'	n	c_x(floating point)	X	f_x
4	9	4245953351	67	0.00001064
4	9	4309325751	68	0.00015640
4	9	4499443051	71	0.00000054
4	9	4562815551	72	0.00000852
4	9	4752932851	75	0.00000000
4	9	4816305251	76	0.00000058
4	9	5069795051	80	0.00000000
4	9	5323284751	84	0.00000000
4	10	1156720750	2	0.00093200
4	10	2313441450	4	0.00400908
4	10	3470162050	6	0.00019873
4	10	4626882750	8	0.00052224
4	10	5783603450	10	0.00888416
4	10	6940324150	12	0.00032430
4	10	8097044850	14	0.00108201
4	10	9253765450	16	0.00772552
4	10	1041048651	18	0.00016780
4	10	1156720751	20	0.00114986
4	10	1272392751	22	0.00339667
4	10	1388064851	24	0.00079068
4	10	1503736951	26	0.00042823
4	10	1619409051	28	0.00079274
4	10	1735081051	30	0.00462104
4	10	1850753151	32	0.00002132
4	10	1966425251	34	0.00092011
4	10	2082097251	36	0.00766256
4	10	2197769351	38	0.00006296
4	10	2313441451	40	0.00250632
4	10	2429113451	42	0.00629343
4	10	2544785551	44	0.00004160
4	10	2660457651	46	0.00312132
4	10	2776129651	48	0.00230826
4	10	2891801751	50	0.00095960
4	10	3007473851	52	0.00187000
4	10	3123145851	54	0.00012839
4	10	3238817951	56	0.00325316
4	10	3354490051	58	0.00043299
4	10	3470162051	60	0.00135430
4	10	3585834151	62	0.00540161
4	10	3701506251	64	0.00021336
4	10	3817178251	66	0.00429486
4	10	3932850351	68	0.00433788
4	10	4048522451	70	0.00063144
4	10	4164194451	72	0.00701360
4	10	4279866551	74	0.00008384
4	10	4395538651	76	0.00095092
4	10	4511210751	78	0.00582008
4	10	4626882751	80	0.00016536
4	10	4742554851	82	0.00066574
4	10	4858226951	84	0.00000932
4	10	4973898951	86	0.00013008
4	10	5089571051	88	0.00000054
4	10	5205243151	90	0.00000816

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
4	10	5320915151	92	0.00000000
4	10	5436587251	94	0.00000065
4	10	5667931351	98	0.00000000
4	10	5899275551	102	0.00000000
4	11	5419375149	1	0.00000424
4	11	1625812550	3	0.00028860
4	11	2167750050	4	0.00040395
4	11	3793562650	7	0.00362856
4	11	4335500150	8	0.00017984
4	11	5419375150	10	0.00006884
4	11	5961312650	11	0.00016250
4	11	6503250150	12	0.00002376
4	11	7587125150	14	0.00106800
4	11	8129062750	15	0.00143668
4	11	9754875250	18	0.00000054
4	11	1029681351	19	0.00021522
4	11	1138068851	21	0.00011708
4	11	1192262551	22	0.00453048
4	11	1246456351	23	0.00000288
4	11	1354843851	25	0.00008862
4	11	1409037551	26	0.00071925
4	11	1571618851	29	0.00507216
4	11	1625812551	30	0.00000184
4	11	1734200051	32	0.00007108
4	11	1788393851	33	0.00108600
4	11	1842587551	34	0.00000165
4	11	1950975051	36	0.00273804
4	11	2005168851	37	0.00018632
4	11	2167750051	40	0.00065037
4	11	2221943851	41	0.00005060
4	11	2330331351	43	0.00060932
4	11	2384525051	44	0.00195844
4	11	2438718851	45	0.00000348
4	11	2547106351	47	0.00010828
4	11	2601300051	48	0.00041593
4	11	2763881351	51	0.00411992
4	11	2818075151	52	0.00002800
4	11	2926462651	54	0.00000063
4	11	2980656351	55	0.00148974
4	11	3034850151	56	0.00000051
4	11	3143237651	58	0.00402928
4	11	3197431351	59	0.00005020
4	11	3360012651	62	0.00226028
4	11	3414206351	63	0.00000010
4	11	3522593851	65	0.00169296
4	11	3576787651	66	0.00041700
4	11	3630981351	67	0.00000020
4	11	3739368851	69	0.00160496
4	11	3793562651	70	0.00003214
4	11	3956143851	73	0.00155060
4	11	4010337651	74	0.00001020
4	11	4118725151	76	0.00041910
4	11	4172918851	77	0.00062722

n'	n	c_x(floating point)	X	f_x
4	11	4227112651	78	0.00000053
4	11	4335500151	80	0.00296620
4	11	4389693851	81	0.00011412
4	11	4552275151	84	0.00241046
4	11	4606468851	85	0.00000924
4	11	4714856351	87	0.00267772
4	11	4769050151	88	0.00039556
4	11	4823243851	89	0.00000028
4	11	4931631351	91	0.00441500
4	11	4985825151	92	0.00005706
4	11	5148406351	95	0.00066128
4	11	5202600151	96	0.00000292
4	11	5310987651	98	0.00391500
4	11	5365181351	99	0.00012638
4	11	5419375151	100	0.00000008
4	11	5527762651	102	0.00049404
4	11	5581956451	103	0.00000796
4	11	5744537651	106	0.00010771
4	11	5798731451	107	0.00000052
4	11	5961312651	110	0.00000752
4	11	6015506451	111	0.00000000
4	11	6178087651	114	0.00000067
4	11	6394862651	118	0.00000000
4	11	6611637651	122	0.00000000
4	12	2065961050	4	0.00196536
4	12	4131922050	8	0.00028432
4	12	6197883050	12	0.00358676
4	12	8263844050	16	0.00054646
4	12	1032980551	20	0.00292396
4	12	1239576651	24	0.00037905
4	12	1446172751	28	0.00159256
4	12	1652768851	32	0.00014559
4	12	1859364951	36	0.00249300
4	12	2065961051	40	0.00044574
4	12	2272557151	44	0.00328408
4	12	2479153251	48	0.00090177
4	12	2685749351	52	0.00216024
4	12	2892345451	56	0.00071248
4	12	3098941551	60	0.00143276
4	12	3305537651	64	0.00038190
4	12	3512133751	68	0.00232024
4	12	3718729851	72	0.00089490
4	12	3925325951	76	0.00268708
4	12	4131922051	80	0.00161570
4	12	4338518151	84	0.00147748
4	12	4545114251	88	0.00133062
4	12	4751710351	92	0.00081348
4	12	4958306451	96	0.00070539
4	12	5164902551	100	0.00179332
4	12	5371498651	104	0.00143176
4	12	5578094751	108	0.00199876
4	12	5784690851	112	0.00295249
4	12	5991286951	116	0.00047460

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
4	12	6197883051	120	0.00284812
4	12	6404479151	124	0.00038200
4	12	6611075251	128	0.00008970
4	12	6817671351	132	0.00000680
4	12	7024267451	136	0.00000066
4	12	7230863551	140	0.00000004
4	12	7437459651	144	0.00000000
4	13	4979063149	1	0.00000180
4	13	1991625250	4	0.00017267
4	13	2489531650	5	0.00012876
4	13	3983250550	8	0.00009092
4	13	4481156850	9	0.00155032
4	13	5974875750	12	0.00001170
4	13	6472782050	13	0.00005018
4	13	6970688350	14	0.00002870
4	13	8464407350	17	0.00073268
4	13	8962313650	18	0.00040756
4	13	1045603351	21	0.00010450
4	13	1095393951	22	0.00000746
4	13	1244765851	25	0.00000084
4	13	1294556451	26	0.00214660
4	13	1344347051	27	0.00003512
4	13	1493718951	30	0.00031222
4	13	1543509651	31	0.00006286
4	13	1692881551	34	0.00000320
4	13	1742672151	35	0.00217564
4	13	1892044051	38	0.00000182
4	13	1941834651	39	0.00036814
4	13	1991625251	40	0.00003548
4	13	2140997151	43	0.00017864
4	13	2190787851	44	0.00098888
4	13	2340159751	47	0.00004046
4	13	2389950351	48	0.00013065
4	13	2539322251	51	0.00000188
4	13	2589112851	52	0.00123096
4	13	2638903451	53	0.00016816
4	13	2788275351	56	0.00025345
4	13	2838066051	57	0.00000126
4	13	2987437951	60	0.00000808
4	13	3037228551	61	0.00212152
4	13	3186600451	64	0.00000001
4	13	3236391051	65	0.00064702
4	13	3286181651	66	0.00001271
4	13	3435553551	69	0.00001212
4	13	3485344251	70	0.00160904
4	13	3634716151	73	0.00000342
4	13	3684506751	74	0.00065075
4	13	3833878651	77	0.00000060
4	13	3883669251	78	0.00042196
4	13	3933459851	79	0.00047788
4	13	4082831751	82	0.00008500
4	13	4132622451	83	0.00024254
4	13	4281994351	86	0.00001080

n'	n	c_x(floating point)	X	f_x
4	13	4331784951	87	0.00133396
4	13	4481156851	90	0.00000037
4	13	4530947451	91	0.00053880
4	13	4580738151	92	0.00001527
4	13	4730109951	95	0.00004144
4	13	4779900651	96	0.00176616
4	13	4929272551	99	0.00000176
4	13	4979063151	100	0.00115373
4	13	5128435051	103	0.00000000
4	13	5178225651	104	0.00014120
4	13	5228016351	105	0.00094032
4	13	5377388151	108	0.00000094
4	13	5427178851	109	0.00107434
4	13	5576550751	112	0.00000144
4	13	5626341351	113	0.00045924
4	13	5775713251	116	0.00000010
4	13	5825503851	117	0.00015900
4	13	5875294551	118	0.00036116
4	13	6024666451	121	0.00003640
4	13	6074457051	122	0.00105956
4	13	6223828951	125	0.00000308
4	13	6273619551	126	0.00088090
4	13	6422991451	129	0.00000012
4	13	6472782051	130	0.00017024
4	13	6522572751	131	0.00117904
4	13	6671944651	134	0.00002761
4	13	6721735251	135	0.00199494
4	13	6871107151	138	0.00000168
4	13	6920897751	139	0.00034520
4	13	7070269651	142	0.00000005
4	13	7120060251	143	0.00007548
4	13	7169850951	144	0.00199881
4	13	7319222851	147	0.00000552
4	13	7369013451	148	0.00029072
4	13	7518385351	151	0.00000042
4	13	7568175951	152	0.00007419
4	13	7717547851	155	0.00000000
4	13	7767338451	156	0.00000604
4	13	7966501051	160	0.00000063
4	13	8165663551	164	0.00000004
4	13	8364826051	168	0.00000000
4	14	9677300249	2	0.00001401
4	14	1935460050	4	0.00080700
4	14	2903190150	6	0.00014768
4	14	3870920150	8	0.00008990
4	14	4838650150	10	0.00005573
4	14	5806380150	12	0.00000000
4	14	6774110150	14	0.00173300
4	14	7741840250	16	0.00000684
4	14	8709570250	18	0.00018056
4	14	9677300250	20	0.00007774
4	14	1064503051	22	0.00002252
4	14	1161276051	24	0.00132876

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
4	14	1258049051	26	0.00000435
4	14	1354822051	28	0.00011390
4	14	1451595051	30	0.00002425
4	14	1548368051	32	0.00032312
4	14	1645141051	34	0.00043720
4	14	1741914051	36	0.00005566
4	14	1838687051	38	0.00000475
4	14	1935460051	40	0.00000112
4	14	2032233051	42	0.00128596
4	14	2129006051	44	0.00004888
4	14	2225779051	46	0.00022169
4	14	2322552051	48	0.00001980
4	14	2419325151	50	0.00000076
4	14	2516098151	52	0.00159172
4	14	2612871151	54	0.00000038
4	14	2709644151	56	0.00034736
4	14	2806417151	58	0.00002203
4	14	2903190151	60	0.00006024
4	14	2999963151	62	0.00085656
4	14	3096736151	64	0.00001658
4	14	3193509151	66	0.00018454
4	14	3290282151	68	0.00000112
4	14	3387055151	70	0.00066328
4	14	3483828151	72	0.00017044
4	14	3580601151	74	0.00014482
4	14	3677374151	76	0.00001648
4	14	3774147151	78	0.00000764
4	14	3870920151	80	0.00138492
4	14	3967693151	82	0.00000008
4	14	4064466151	84	0.00046646
4	14	4161239151	86	0.00000340
4	14	4258012151	88	0.00000888
4	14	4354785151	90	0.00121492
4	14	4451558151	92	0.00000052
4	14	4548331151	94	0.00056605
4	14	4645104151	96	0.00000024
4	14	4741877151	98	0.00021652
4	14	4838650151	100	0.00040700
4	14	4935423151	102	0.00003790
4	14	5032196151	104	0.00026058
4	14	5128969151	106	0.00000624
4	14	5225742151	108	0.00079948
4	14	5322515151	110	0.00000025
4	14	5419288151	112	0.00033118
4	14	5516061151	114	0.00002611
4	14	5612834151	116	0.00003236
4	14	5709607151	118	0.00120780
4	14	5806380151	120	0.00000184
4	14	5903153151	122	0.00082982
4	14	5999926151	124	0.00000000
4	14	6096699151	126	0.00009960
4	14	6193472151	128	0.00071392
4	14	6290245151	130	0.00000069
4	14	6387018151	132	0.00086674

n'	n	c_x(floating point)	X	f_x
4	14	6483791151	134	0.00000052
4	14	6580564151	136	0.00028112
4	14	6677337151	138	0.00000004
4	14	6774110151	140	0.00008610
4	14	6870883151	142	0.00032126
4	14	6967656151	144	0.00002152
4	14	7064429151	146	0.00067628
4	14	7161202151	148	0.00000180
4	14	7257975251	150	0.00056358
4	14	7354748251	152	0.00000008
4	14	7451521251	154	0.00011604
4	14	7548294251	156	0.00082352
4	14	7645067251	158	0.00001962
4	14	7741840251	160	0.00140826
4	14	7838613251	162	0.00000124
4	14	7935386251	164	0.00025728
4	14	8032159251	166	0.00000004
4	14	8128932251	168	0.00005912
4	14	8225705251	170	0.00149229
4	14	8322478251	172	0.00000464
4	14	8419251251	174	0.00022896
4	14	8516024251	176	0.00000036
4	14	8612797251	178	0.00006196
4	14	8709570251	180	0.00000000
4	14	8806343251	182	0.00000536
4	14	8999889251	186	0.00000060
4	14	9193435251	190	0.00000004
4	14	9386981251	194	0.00000000
4	15	1418896750	3	0.00000084
4	15	1891862350	4	0.00008724
4	15	3310759150	7	0.00006682
4	15	3783724650	8	0.00005064
4	15	5202621450	11	0.00077820
4	15	5675587050	12	0.00000642
4	15	7094483750	15	0.00001914
4	15	8513380450	18	0.00001405
4	15	8986346050	19	0.00041352
4	15	1040524351	22	0.00018672
4	15	1087820851	23	0.00005690
4	15	1229710551	26	0.00000949
4	15	1277007151	27	0.00000028
4	15	1418896751	30	0.00115332
4	15	1560786451	33	0.00001308
4	15	1608083051	34	0.00015561
4	15	1749972651	37	0.00004120
4	15	1797269251	38	0.00000428
4	15	1939158951	41	0.00108100
4	15	1986455451	42	0.00000151
4	15	2128345151	45	0.00014840
4	15	2270234851	48	0.00001871
4	15	2317531351	49	0.00014048
4	15	2459421051	52	0.00042820
4	15	2506717651	53	0.00002860

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
4	15	2648607251	56	0.00002889
4	15	2695903851	57	0.00000096
4	15	2837793551	60	0.00077372
4	15	2979683251	63	0.00005832
4	15	3026979751	64	0.00014970
4	15	3168869451	67	0.00000296
4	15	3216165951	68	0.00000204
4	15	3358055651	71	0.00115084
4	15	3405352251	72	0.00000004
4	15	3547241951	75	0.00029786
4	15	3689131551	78	0.00001256
4	15	3736428151	79	0.00001960
4	15	3878317851	82	0.00071964
4	15	3925614351	83	0.00000644
4	15	4067504051	86	0.00020801
4	15	4114800551	87	0.00000060
4	15	4256690251	90	0.00036672
4	15	4398579951	93	0.00016396
4	15	4445876551	94	0.00008196
4	15	4587766151	97	0.00003600
4	15	4635062751	98	0.00000612
4	15	4776952451	101	0.00091524
4	15	4824248951	102	0.00000012
4	15	4966138651	105	0.00033142
4	15	5108028351	108	0.00000026
4	15	5155324851	109	0.00000980
4	15	5297214551	112	0.00091796
4	15	5344511151	113	0.00000000
4	15	5486400751	116	0.00047464
4	15	5533697351	117	0.00000008
4	15	5675587051	120	0.00012020
4	15	5817476651	123	0.00034308
4	15	5864773251	124	0.00001643
4	15	6006662951	127	0.00025828
4	15	6053959451	128	0.00000356
4	15	6195849151	131	0.00049480
4	15	6243145751	132	0.00000016
4	15	6385035351	135	0.00020680
4	15	6526925051	138	0.00003436
4	15	6574221651	139	0.00002436
4	15	6716111251	142	0.00084244
4	15	6763407851	143	0.00000164
4	15	6905297551	146	0.00060239
4	15	6952594051	147	0.00000000
4	15	7094483751	150	0.00007464
4	15	7236373451	153	0.00054876
4	15	7283669951	154	0.00000150
4	15	7425559651	157	0.00069924
4	15	7472856251	158	0.00000016
4	15	7614745851	161	0.00018432
4	15	7662042451	162	0.00000001
4	15	7803932151	165	0.00004898
4	15	7945821751	168	0.00028249
4	15	7993118351	169	0.00001308

n'	n	c_x(floating point)	X	f_x
4	15	8135008051	172	0.00044728
4	15	8182304551	173	0.00000106
4	15	8324194251	176	0.00037158
4	15	8371490851	177	0.00000004
4	15	8513380451	180	0.00008076
4	15	8655270151	183	0.00059068
4	15	8702566751	184	0.00001413
4	15	8844456351	187	0.00101964
4	15	8891752951	188	0.00000096
4	15	9033642651	191	0.00019504
4	15	9080939151	192	0.00000003
4	15	9222828851	195	0.00004674
4	15	9364718551	198	0.00113941
4	15	9412015051	199	0.00000380
4	15	9553904751	202	0.00018292
4	15	9601201351	203	0.00000032
4	15	9743090951	206	0.00005203
4	15	9790387551	207	0.00000000
4	15	9932277251	210	0.00000472
4	15	1012146352	214	0.00000055
4	15	1031065052	218	0.00000004
4	15	1049983652	222	0.00000000
4	16	1857267850	4	0.00045299
4	16	3714535550	8	0.00012640
4	16	5571803350	12	0.00003377
4	16	7429071050	16	0.00095024
4	16	9286338850	20	0.00009680
4	16	1114360751	24	0.00006048
4	16	1300087451	28	0.00069904
4	16	1485814251	32	0.00004776
4	16	1671541051	36	0.00022215
4	16	1857267851	40	0.00024062
4	16	2042994551	44	0.00000054
4	16	2228721351	48	0.00076048
4	16	2414448151	52	0.00014100
4	16	2600174951	56	0.00001912
4	16	2785901651	60	0.00085459
4	16	2971628451	64	0.00015610
4	16	3157355251	68	0.00007334
4	16	3343082051	72	0.00041140
4	16	3528808751	76	0.00005486
4	16	3714535551	80	0.00046972
4	16	3900262351	84	0.00016193
4	16	4085989151	88	0.00000292
4	16	4271715851	92	0.00082936
4	16	4457442651	96	0.00024262
4	16	4643169451	100	0.00001325
4	16	4828896251	104	0.00059660
4	16	5014623051	108	0.00020988
4	16	5200349751	112	0.00020852
4	16	5386076551	116	0.00019874
4	16	5571803351	120	0.00005690
4	16	5757530151	124	0.00061344

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
4	16	5943256851	128	0.00023430
4	16	6128983651	132	0.00001063
4	16	6314710451	136	0.00069646
4	16	6500437251	140	0.00039018
4	16	6686163951	144	0.00007280
4	16	6871890751	148	0.00029465
4	16	7057617551	152	0.00024636
4	16	7243344351	156	0.00031586
4	16	7429071051	160	0.00013118
4	16	7614797851	164	0.00005772
4	16	7800524651	168	0.00059972
4	16	7986251451	172	0.00044188
4	16	8171978151	176	0.00005780
4	16	8357704951	180	0.00042901
4	16	8543431751	184	0.00056582
4	16	8729158551	188	0.00012832
4	16	8914885251	192	0.00002938
4	16	9100612051	196	0.00025514
4	16	9286338851	200	0.00030588
4	16	9472065651	204	0.00025149
4	16	9657792451	208	0.00005724
4	16	9843519151	212	0.00044366
4	16	1002924652	216	0.00075512
4	16	1021497352	220	0.00015010
4	16	1040069952	224	0.00003728
4	16	1058642652	228	0.00088977
4	16	1077215352	232	0.00014828
4	16	1095788052	236	0.00004392
4	16	1114360752	240	0.00000416
4	16	1132933352	244	0.00000051
4	16	1151506052	248	0.00000004
4	16	1170078752	252	0.00000000
4	17	1829310650	4	0.00004919
4	17	2286638350	5	0.00000044
4	17	3658621350	8	0.00003044
4	17	4115948950	9	0.00003836
4	17	5487931950	12	0.00000382
4	17	5945259650	13	0.00043516
4	17	7774570250	17	0.00000844
4	17	9603880950	21	0.00025148
4	17	1006120951	22	0.00000767
4	17	1143319251	25	0.00003366
4	17	1189051951	26	0.00009684
4	17	1326250251	29	0.00000012
4	17	1371983051	30	0.00000870
4	17	1554914051	34	0.00067676
4	17	1737845151	38	0.00008569
4	17	1783577951	39	0.00000568
4	17	1920776251	42	0.00000420
4	17	1966508951	43	0.00002712
4	17	2103707251	46	0.00000116
4	17	2149440051	47	0.00059548
4	17	2332371151	51	0.00006774

n'	n	c_x(floating point)	X	f_x
4	17	2515302151	55	0.00010496
4	17	2561034951	56	0.00001054
4	17	2698233251	59	0.00001984
4	17	2743966051	60	0.00021068
4	17	2881164351	63	0.00000052
4	17	2926897051	64	0.00000616
4	17	3109828151	68	0.00050044
4	17	3292759251	72	0.00009075
4	17	3338491951	73	0.00002376
4	17	3475690251	76	0.00000044
4	17	3521423051	77	0.00000646
4	17	3658621351	80	0.00000012
4	17	3704354051	81	0.00066396
4	17	3887285151	85	0.00014740
4	17	4070216251	89	0.00002480
4	17	4115948951	90	0.00000918
4	17	4253147251	93	0.00000692
4	17	4298880051	94	0.00035600
4	17	4436078351	97	0.00000048
4	17	4481811151	98	0.00007240
4	17	4664742151	102	0.00028852
4	17	4847673251	106	0.00006361
4	17	4893406051	107	0.00006536
4	17	5030604351	110	0.00000288
4	17	5076337051	111	0.00000368
4	17	5213535351	114	0.00000002
4	17	5259268151	115	0.00059864
4	17	5442199251	119	0.00019198
4	17	5625130251	123	0.00000352
4	17	5670863051	124	0.00000283
4	17	5808061351	127	0.00000068
4	17	5853794051	128	0.00048624
4	17	5990992351	131	0.00000016
4	17	6036725151	132	0.00019807
4	17	6219656251	136	0.00012236
4	17	6402587251	140	0.00002567
4	17	6448320051	141	0.00013920
4	17	6585518351	144	0.00000312
4	17	6631251151	145	0.00006368
4	17	6768449451	148	0.00000010
4	17	6814182151	149	0.00041700
4	17	6997113251	153	0.00016564
4	17	7180044351	157	0.00000992
4	17	7225777051	158	0.00000171
4	17	7362975351	161	0.00000026
4	17	7408708151	162	0.00053148
4	17	7545906451	165	0.00000000
4	17	7591639251	166	0.00031734
4	17	7774570251	170	0.00004812
4	17	7957501351	174	0.00000256
4	17	8003234151	175	0.00024124
4	17	8140432351	178	0.00000108
4	17	8186165151	179	0.00022470
4	17	8323363451	182	0.00000006

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Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
4	17	8369096251	183	0.00020768
4	17	8552027251	187	0.00008446
4	17	8734958351	191	0.00001312
4	17	8780691151	192	0.00004274
4	17	8917889451	195	0.00000106
4	17	8963622151	196	0.00043220
4	17	9100820451	199	0.00000004
4	17	9146553251	200	0.00032752
4	17	9329484351	204	0.00004560
4	17	9512415351	208	0.00000252
4	17	9558148151	209	0.00033568
4	17	9695346451	212	0.00000000
4	17	9741079251	213	0.00045986
4	17	9878277551	216	0.00000000
4	17	9924010251	217	0.00009392
4	17	1010694152	221	0.00001870
4	17	1028987252	225	0.00000520
4	17	1033560552	226	0.00021543
4	17	1047280352	229	0.00000038
4	17	1051853652	230	0.00021428
4	17	1065573452	233	0.00000004
4	17	1070146752	234	0.00017412
4	17	1088439852	238	0.00004136
4	17	1106732952	242	0.00000762
4	17	1111306252	243	0.00032420
4	17	1125026052	246	0.00000056
4	17	1129599352	247	0.00056860
4	17	1143319252	250	0.00000002
4	17	1147892452	251	0.00011708
4	17	1166185552	255	0.00002998
4	17	1184478652	259	0.00000264
4	17	1189051952	260	0.00070120
4	17	1202771752	263	0.00000024
4	17	1207345052	264	0.00012108
4	17	1221064952	267	0.00000000
4	17	1225638152	268	0.00003728
4	17	1243931252	272	0.00000368
4	17	1262224352	276	0.00000046
4	17	1280517452	280	0.00000000
4	17	1298810652	284	0.00000000
4	18	1806365650	4	0.00026704
4	18	2709548450	6	0.00000439
4	18	3612731250	8	0.00002944
4	18	4515914050	10	0.00004412
4	18	5419096850	12	0.00000000
4	18	6322279650	14	0.00002171
4	18	8128645250	18	0.00056708
4	18	9935010850	22	0.00005363
4	18	1083819451	24	0.00000144
4	18	1174137651	26	0.00001120
4	18	1264455951	28	0.00002746
4	18	1354774251	30	0.00000187
4	18	1445092551	32	0.00040020

n'	n	c_x(floating point)	X	f_x
4	18	1625729051	36	0.00002250
4	18	1806365651	40	0.00014052
4	18	1896683951	42	0.00000717
4	18	1987002251	44	0.00002194
4	18	2077320451	46	0.00010880
4	18	2167638751	48	0.00000024
4	18	2257957051	50	0.00000050
4	18	2438593651	54	0.00047700
4	18	2619230151	58	0.00007177
4	18	2709548451	60	0.00000844
4	18	2799866751	62	0.00000080
4	18	2890185051	64	0.00001484
4	18	2980503251	66	0.00000045
4	18	3070821551	68	0.00049536
4	18	3251458151	72	0.00007696
4	18	3432094651	76	0.00005188
4	18	3522412951	78	0.00000832
4	18	3612731251	80	0.00001124
4	18	3703049551	82	0.00020420
4	18	3793367851	84	0.00000044
4	18	3883686051	86	0.00001673
4	18	4064322651	90	0.00033012
4	18	4244959251	94	0.00006547
4	18	4335277451	96	0.00002716
4	18	4425595751	98	0.00000096
4	18	4515914051	100	0.00000118
4	18	4606232351	102	0.00000002
4	18	4696550651	104	0.00051180
4	18	4877187151	108	0.00013086
4	18	5057823751	112	0.00001004
4	18	5148142051	114	0.00000589
4	18	5238460251	116	0.00000322
4	18	5328778551	118	0.00031224
4	18	5419096851	120	0.00000028
4	18	5509415151	122	0.00008258
4	18	5690051651	126	0.00017968
4	18	5870688251	130	0.00004072
4	18	5961006551	132	0.00006468
4	18	6051324851	134	0.00000256
4	18	6141643051	136	0.00000938
4	18	6231961351	138	0.00000004
4	18	6322279651	140	0.00043396
4	18	6502916251	144	0.00014938
4	18	6683552751	148	0.00000312
4	18	6773871051	150	0.00000093
4	18	6864189351	152	0.00000014
4	18	6954507651	154	0.00039600
4	18	7044825851	156	0.00000008
4	18	7135144151	158	0.00018012
4	18	7315780751	162	0.00007452
4	18	7496417251	166	0.00001414
4	18	7586735551	168	0.00012516
4	18	7677053851	170	0.00000216
4	18	7767372151	172	0.00007018

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c_x(floating point)	X	f_x
4	18	7857690451	174	0.00000008
4	18	7948008651	176	0.00028776
4	18	8128645251	180	0.00011746
4	18	8309281851	184	0.00000888
4	18	8399600051	186	0.00000362
4	18	8489918351	188	0.00000036
4	18	8580236651	190	0.00040840
4	18	8670554951	192	0.00000000
4	18	8760873251	194	0.00025685
4	18	8941509751	198	0.00003436
4	18	9122146351	202	0.00000085
4	18	9212464651	204	0.00020232
4	18	9302782851	206	0.00000060
4	18	9393101151	208	0.00020296
4	18	9483419451	210	0.00000004
4	18	9573737751	212	0.00014060
4	18	9754374251	216	0.00005520
4	18	9935010851	220	0.00000960
4	18	1002532952	222	0.00004386
4	18	1011564752	224	0.00000082
4	18	1020596652	226	0.00031704
4	18	1029628452	228	0.00000004
4	18	1038660252	230	0.00024535
4	18	1056723952	234	0.00003636
4	18	1074787552	238	0.00000263
4	18	1083819452	240	0.00026676
4	18	1092851252	242	0.00000004
4	18	1101883052	244	0.00037576

n'	n	c_x(floating point)	X	f_x
4	18	1110914852	246	0.00000000
4	18	1119946752	248	0.00007156
4	18	1138010352	252	0.00001266
4	18	1156074052	256	0.00000344
4	18	1165105852	258	0.00018787
4	18	1174137652	260	0.00000022
4	18	1183169552	262	0.00015420
4	18	1192201352	264	0.00000000
4	18	1201233152	266	0.00012308
4	18	1219296852	270	0.00003024
4	18	1237360452	274	0.00000570
4	18	1246392352	276	0.00024668
4	18	1255424152	278	0.00000044
4	18	1264455952	280	0.00043562
4	18	1273487752	282	0.00000001
4	18	1282519652	284	0.00009244
4	18	1300583252	288	0.00002432
4	18	1318646952	292	0.00000224
4	18	1327678752	294	0.00056244
4	18	1336710552	296	0.00000020
4	18	1345742452	298	0.00010008
4	18	1354774252	300	0.00000000
4	18	1363806052	302	0.00003182
4	18	1381869752	306	0.00000324
4	18	1399933352	310	0.00000042
4	18	1417997052	314	0.00000000
4	18	1436060752	318	0.00000000

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	2	0.005	6.938	08
1	2	0.010	1.082	08
1	2	0.015	3.803	07
1	2	0.020	1.828	07
1	2	0.025	1.039	07
1	2	0.030	6.561	06
1	2	0.035	4.451	06
1	2	0.040	3.181	06
1	2	0.050	1.817	06
1	2	0.060	1.150	06
1	2	0.070	7.814	05
1	2	0.080	5.593	05
1	2	0.090	4.164	05
1	2	0.100	3.199	05
1	2	0.110	2.520	05
1	2	0.120	2.027	05
1	2	0.130	1.659	05
1	2	0.140	1.378	05
1	2	0.150	1.160	05
1	2	0.160	9.867	04
1	2	0.170	8.479	04
1	2	0.180	7.349	04
1	2	0.190	6.420	04
1	2	0.200	5.647	04
1	2	0.220	4.449	04
1	2	0.240	3.579	04
1	2	0.260	2.930	04
1	2	0.280	2.434	04
1	2	0.300	2.048	04
1	2	0.350	1.393	04
1	2	0.400	9.977	03
1	2	0.450	7.432	03
1	2	0.500	5.711	03
1	2	0.600	3.620	03
1	2	0.700	2.462	03
1	2	0.800	1.763	03
1	2	0.900	1.314	03
1	2	1.000	1.009	03
1	2	1.200	6.399	02
1	2	1.400	4.352	02
1	2	1.600	3.117	02
1	2	1.800	2.322	02
1	2	2.000	1.784	02
1	2	2.500	1.021	02
1	2	3.000	6.475	01
1	2	3.500	4.404	01
1	2	4.000	3.154	01
1	2	4.500	2.350	01
1	2	5.000	1.806	01
1	2	5.500	1.423	01
1	2	6.000	1.145	01
1	2	6.500	9.370	00
1	2	7.000	7.785	00
1	2	8.000	5.576	00
1	2	9.000	4.154	00
1	2	10.000	3.192	00
1	2	12.000	2.023	00
1	2	14.000	1.376	00
1	2	16.000	9.857	-01
1	2	18.000	7.343	-01
1	2	20.000	5.642	-01
1	2	25.000	3.230	-01
1	2	30.000	2.048	-01
1	2	35.000	1.393	-01
1	2	40.000	9.974	-02
1	2	45.000	7.430	-02
1	2	50.000	5.710	-02
1	2	60.000	3.620	-02
1	2	70.000	2.462	-02
1	2	80.000	1.763	-02
1	2	90.000	1.313	-02
1	2	100.000	1.009	-02
1	2	110.000	7.953	-03
1	2	120.000	6.398	-03
1	2	130.000	5.238	-03
1	2	140.000	4.352	-03
1	2	150.000	3.663	-03
1	2	160.000	3.117	-03
1	2	170.000	2.679	-03
1	2	180.000	2.322	-03
1	2	190.000	2.028	-03
1	2	200.000	1.784	-03
1	2	210.000	1.579	-03
1	2	220.000	1.406	-03
1	2	230.000	1.258	-03
1	2	240.000	1.131	-03
1	3	0.005	1.517	09
1	3	0.010	2.103	08
1	3	0.015	7.094	07
1	3	0.020	3.352	07
1	3	0.025	1.888	07
1	3	0.030	1.186	07
1	3	0.035	8.013	06
1	3	0.040	5.714	06
1	3	0.050	3.252	06
1	3	0.060	2.055	06
1	3	0.070	1.395	06
1	3	0.080	9.972	05
1	3	0.090	7.420	05
1	3	0.100	5.697	05
1	3	0.110	4.486	05
1	3	0.120	3.607	05
1	3	0.130	2.952	05
1	3	0.140	2.452	05
1	3	0.150	2.063	05
1	3	0.160	1.755	05
1	3	0.170	1.508	05
1	3	0.180	1.307	05
1	3	0.190	1.141	05
1	3	0.200	1.004	05
1	3	0.220	7.909	04
1	3	0.240	6.361	04
1	3	0.260	5.207	04
1	3	0.280	4.326	04
1	3	0.300	3.640	04
1	3	0.350	2.475	04
1	3	0.400	1.773	04
1	3	0.450	1.320	04
1	3	0.500	1.015	04
1	3	0.600	6.431	03
1	3	0.700	4.374	03
1	3	0.800	3.132	03
1	3	0.900	2.333	03
1	3	1.000	1.793	03
1	3	1.200	1.137	03
1	3	1.400	7.731	02
1	3	1.600	5.536	02
1	3	1.800	4.124	02
1	3	2.000	3.169	02
1	3	2.500	1.814	02
1	3	3.000	1.150	02
1	3	3.500	7.822	01
1	3	4.000	5.602	01
1	3	4.500	4.173	01
1	3	5.000	3.207	01
1	3	5.500	2.527	01
1	3	6.000	2.033	01
1	3	6.500	1.664	01
1	3	7.000	1.383	01
1	3	8.000	9.903	00
1	3	9.000	7.377	00
1	3	10.000	5.669	00
1	3	12.000	3.594	00
1	3	14.000	2.444	00
1	3	16.000	1.751	00
1	3	18.000	1.304	00
1	3	20.000	1.002	00
1	3	25.000	5.736	-01
1	3	30.000	3.637	-01
1	3	35.000	2.474	-01
1	3	40.000	1.771	-01
1	3	45.000	1.320	-01
1	3	50.000	1.014	-01
1	3	60.000	6.429	-02
1	3	70.000	4.373	-02
1	3	80.000	3.132	-02
1	3	90.000	2.333	-02
1	3	100.000	1.793	-02
1	3	110.000	1.413	-02
1	3	120.000	1.136	-02
1	3	130.000	9.303	-03

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	3	140.000	7.730	-03
1	3	150.000	6.505	-03
1	3	160.000	5.536	-03
1	3	170.000	4.757	-03
1	3	180.000	4.124	-03
1	3	190.000	3.603	-03
1	3	200.000	3.169	-03
1	3	210.000	2.805	-03
1	3	220.000	2.497	-03
1	3	230.000	2.234	-03
1	3	240.000	2.009	-03
1	4	0.005	5.106	09
1	4	0.010	8.052	08
1	4	0.015	2.471	08
1	4	0.020	1.113	08
1	4	0.025	6.106	07
1	4	0.030	3.774	07
1	4	0.035	2.525	07
1	4	0.040	1.787	07
1	4	0.050	1.008	07
1	4	0.060	6.333	06
1	4	0.070	4.282	06
1	4	0.080	3.054	06
1	4	0.090	2.269	06
1	4	0.100	1.739	06
1	4	0.110	1.368	06
1	4	0.120	1.099	06
1	4	0.130	8.988	05
1	4	0.140	7.461	05
1	4	0.150	6.274	05
1	4	0.160	5.336	05
1	4	0.170	4.583	05
1	4	0.180	3.971	05
1	4	0.190	3.467	05
1	4	0.200	3.049	05
1	4	0.220	2.401	05
1	4	0.240	1.931	05
1	4	0.260	1.580	05
1	4	0.280	1.312	05
1	4	0.300	1.104	05
1	4	0.350	7.506	04
1	4	0.400	5.373	04
1	4	0.450	4.002	04
1	4	0.500	3.074	04
1	4	0.600	1.948	04
1	4	0.700	1.325	04
1	4	0.800	9.489	03
1	4	0.900	7.068	03
1	4	1.000	5.431	03
1	4	1.200	3.442	03
1	4	1.400	2.341	03
1	4	1.600	1.677	03
1	4	1.800	1.249	03

n'	n	α	S(α)	
1	4	2.000	9.598	02
1	4	2.500	5.494	02
1	4	3.000	3.483	02
1	4	3.500	2.369	02
1	4	4.000	1.696	02
1	4	4.500	1.264	02
1	4	5.000	9.711	01
1	4	5.500	7.652	01
1	4	6.000	6.156	01
1	4	6.500	5.040	01
1	4	7.000	4.187	01
1	4	8.000	2.999	01
1	4	9.000	2.234	01
1	4	10.000	1.717	01
1	4	12.000	1.088	01
1	4	14.000	7.402	00
1	4	16.000	5.301	00
1	4	18.000	3.949	00
1	4	20.000	3.035	00
1	4	25.000	1.737	00
1	4	30.000	1.101	00
1	4	35.000	7.490	-01
1	4	40.000	5.365	-01
1	4	45.000	3.996	-01
1	4	50.000	3.071	-01
1	4	60.000	1.947	-01
1	4	70.000	1.324	-01
1	4	80.000	9.483	-02
1	4	90.000	7.064	-02
1	4	100.000	5.428	-02
1	4	110.000	4.278	-02
1	4	120.000	3.441	-02
1	4	130.000	2.817	-02
1	4	140.000	2.341	-02
1	4	150.000	1.970	-02
1	4	160.000	1.676	-02
1	4	170.000	1.441	-02
1	4	180.000	1.249	-02
1	4	190.000	1.091	-02
1	4	200.000	9.596	-03
1	4	210.000	8.494	-03
1	4	220.000	7.562	-03
1	4	230.000	6.766	-03
1	4	240.000	6.083	-03
1	5	0.005	4.150	09
1	5	0.010	1.336	09
1	5	0.015	4.234	08
1	5	0.020	1.829	08
1	5	0.025	9.691	07
1	5	0.030	5.853	07
1	5	0.035	3.856	07
1	5	0.040	2.700	07
1	5	0.050	1.502	07

n'	n	α	S(α)	
1	5	0.060	9.359	06
1	5	0.070	6.294	06
1	5	0.080	4.472	06
1	5	0.090	3.313	06
1	5	0.100	2.534	06
1	5	0.110	1.990	06
1	5	0.120	1.597	06
1	5	0.130	1.304	06
1	5	0.140	1.082	06
1	5	0.150	9.092	05
1	5	0.160	7.727	05
1	5	0.170	6.633	05
1	5	0.180	5.745	05
1	5	0.190	5.014	05
1	5	0.200	4.408	05
1	5	0.220	3.469	05
1	5	0.240	2.788	05
1	5	0.260	2.281	05
1	5	0.280	1.894	05
1	5	0.300	1.593	05
1	5	0.350	1.082	05
1	5	0.400	7.747	04
1	5	0.450	5.768	04
1	5	0.500	4.431	04
1	5	0.600	2.807	04
1	5	0.700	1.909	04
1	5	0.800	1.367	04
1	5	0.900	1.018	04
1	5	1.000	7.821	03
1	5	1.200	4.957	03
1	5	1.400	3.371	03
1	5	1.600	2.414	03
1	5	1.800	1.798	03
1	5	2.000	1.382	03
1	5	2.500	7.909	02
1	5	3.000	5.014	02
1	5	3.500	3.410	02
1	5	4.000	2.442	02
1	5	4.500	1.819	02
1	5	5.000	1.398	02
1	5	5.500	1.102	02
1	5	6.000	8.862	01
1	5	6.500	7.255	01
1	5	7.000	6.028	01
1	5	8.000	4.317	01
1	5	9.000	3.216	01
1	5	10.000	2.471	01
1	5	12.000	1.567	01
1	5	14.000	1.066	01
1	5	16.000	7.631	00
1	5	18.000	5.685	00
1	5	20.000	4.368	00
1	5	25.000	2.501	00
1	5	30.000	1.585	00

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	5	35.000	1.078	00
1	5	40.000	7.722	-01
1	5	45.000	5.753	-01
1	5	50.000	4.421	-01
1	5	60.000	2.802	-01
1	5	70.000	1.906	-01
1	5	80.000	1.365	-01
1	5	90.000	1.017	-01
1	5	100.000	7.815	-02
1	5	110.000	6.158	-02
1	5	120.000	4.954	-02
1	5	130.000	4.055	-02
1	5	140.000	3.370	-02
1	5	150.000	2.836	-02
1	5	160.000	2.413	-02
1	5	170.000	2.074	-02
1	5	180.000	1.798	-02
1	5	190.000	1.570	-02
1	5	200.000	1.381	-02
1	5	210.000	1.223	-02
1	5	220.000	1.089	-02
1	5	230.000	9.741	-03
1	5	240.000	8.757	-03
1	6	0.005	4.715	09
1	6	0.010	2.335	09
1	6	0.015	9.901	08
1	6	0.020	4.397	08
1	6	0.025	2.284	08
1	6	0.030	1.341	08
1	6	0.035	8.648	07
1	6	0.040	5.959	07
1	6	0.050	3.245	07
1	6	0.060	1.996	07
1	6	0.070	1.331	07
1	6	0.080	9.400	06
1	6	0.090	6.932	06
1	6	0.100	5.286	06
1	6	0.110	4.141	06
1	6	0.120	3.316	06
1	6	0.130	2.704	06
1	6	0.140	2.240	06
1	6	0.150	1.880	06
1	6	0.160	1.596	06
1	6	0.170	1.369	06
1	6	0.180	1.185	06
1	6	0.190	1.034	06
1	6	0.200	9.080	05
1	6	0.220	7.140	05
1	6	0.240	5.735	05
1	6	0.260	4.688	05
1	6	0.280	3.891	05
1	6	0.300	3.272	05
1	6	0.350	2.221	05
1	6	0.400	1.589	05
1	6	0.450	1.183	05
1	6	0.500	9.082	04
1	6	0.600	5.752	04
1	6	0.700	3.910	04
1	6	0.800	2.799	04
1	6	0.900	2.084	04
1	6	1.000	1.601	04
1	6	1.200	1.015	04
1	6	1.400	6.901	03
1	6	1.600	4.942	03
1	6	1.800	3.681	03
1	6	2.000	2.828	03
1	6	2.500	1.619	03
1	6	3.000	1.026	03
1	6	3.500	6.979	02
1	6	4.000	4.998	02
1	6	4.500	3.723	02
1	6	5.000	2.861	02
1	6	5.500	2.254	02
1	6	6.000	1.814	02
1	6	6.500	1.485	02
1	6	7.000	1.234	02
1	6	8.000	8.834	01
1	6	9.000	6.581	01
1	6	10.000	5.057	01
1	6	12.000	3.206	01
1	6	14.000	2.181	01
1	6	16.000	1.562	01
1	6	18.000	1.163	01
1	6	20.000	8.939	00
1	6	25.000	5.117	00
1	6	30.000	3.244	00
1	6	35.000	2.206	00
1	6	40.000	1.580	00
1	6	45.000	1.177	00
1	6	50.000	9.046	-01
1	6	60.000	5.734	-01
1	6	70.000	3.901	-01
1	6	80.000	2.793	-01
1	6	90.000	2.081	-01
1	6	100.000	1.599	-01
1	6	110.000	1.260	-01
1	6	120.000	1.014	-01
1	6	130.000	8.299	-02
1	6	140.000	6.895	-02
1	6	150.000	5.803	-02
1	6	160.000	4.938	-02
1	6	170.000	4.244	-02
1	6	180.000	3.679	-02
1	6	190.000	3.214	-02
1	6	200.000	2.827	-02
1	6	210.000	2.502	-02
1	6	220.000	2.227	-02
1	6	230.000	1.993	-02
1	6	240.000	1.792	-02
1	7	0.005	3.015	09
1	7	0.010	2.123	09
1	7	0.015	1.195	09
1	7	0.020	6.319	08
1	7	0.025	3.426	08
1	7	0.030	2.001	08
1	7	0.035	1.278	08
1	7	0.040	8.659	07
1	7	0.050	4.594	07
1	7	0.060	2.778	07
1	7	0.070	1.831	07
1	7	0.080	1.283	07
1	7	0.090	9.407	06
1	7	0.100	7.142	06
1	7	0.110	5.575	06
1	7	0.120	4.452	06
1	7	0.130	3.622	06
1	7	0.140	2.995	06
1	7	0.150	2.510	06
1	7	0.160	2.128	06
1	7	0.170	1.824	06
1	7	0.180	1.577	06
1	7	0.190	1.374	06
1	7	0.200	1.206	06
1	7	0.220	9.475	05
1	7	0.240	7.603	05
1	7	0.260	6.211	05
1	7	0.280	5.151	05
1	7	0.300	4.329	05
1	7	0.350	2.936	05
1	7	0.400	2.099	05
1	7	0.450	1.561	05
1	7	0.500	1.198	05
1	7	0.600	7.586	04
1	7	0.700	5.155	04
1	7	0.800	3.689	04
1	7	0.900	2.747	04
1	7	1.000	2.110	04
1	7	1.200	1.337	04
1	7	1.400	9.091	03
1	7	1.600	6.509	03
1	7	1.800	4.848	03
1	7	2.000	3.725	03
1	7	2.500	2.132	03
1	7	3.000	1.351	03
1	7	3.500	9.190	02
1	7	4.000	6.581	02
1	7	4.500	4.902	02
1	7	5.000	3.767	02
1	7	5.500	2.968	02
1	7	6.000	2.388	02

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	7	6.500	1.955	02
1	7	7.000	1.624	02
1	7	8.000	1.163	02
1	7	9.000	8.665	01
1	7	10.000	6.659	01
1	7	12.000	4.221	01
1	7	14.000	2.871	01
1	7	16.000	2.056	01
1	7	18.000	1.532	01
1	7	20.000	1.177	01
1	7	25.000	6.738	00
1	7	30.000	4.271	00
1	7	35.000	2.905	00
1	7	40.000	2.081	00
1	7	45.000	1.550	00
1	7	50.000	1.191	00
1	7	60.000	7.550	-01
1	7	70.000	5.136	-01
1	7	80.000	3.678	-01
1	7	90.000	2.740	-01
1	7	100.000	2.105	-01
1	7	110.000	1.659	-01
1	7	120.000	1.335	-01
1	7	130.000	1.093	-01
1	7	140.000	9.079	-02
1	7	150.000	7.640	-02
1	7	160.000	6.502	-02
1	7	170.000	5.588	-02
1	7	180.000	4.844	-02
1	7	190.000	4.231	-02
1	7	200.000	3.722	-02
1	7	210.000	3.295	-02
1	7	220.000	2.933	-02
1	7	230.000	2.624	-02
1	7	240.000	2.360	-02
1	8	0.005	2.938	09
1	8	0.010	2.282	09
1	8	0.015	1.581	09
1	8	0.020	1.002	09
1	8	0.025	6.141	08
1	8	0.030	3.803	08
1	8	0.035	2.435	08
1	8	0.040	1.641	08
1	8	0.050	8.566	07
1	8	0.060	5.077	07
1	8	0.070	3.298	07
1	8	0.080	2.286	07
1	8	0.090	1.663	07
1	8	0.100	1.255	07
1	8	0.110	9.750	06
1	8	0.120	7.756	06
1	8	0.130	6.292	06
1	8	0.140	5.189	06

n'	n	α	S(α)	
1	8	0.150	4.340	06
1	8	0.160	3.673	06
1	8	0.170	3.143	06
1	8	0.180	2.713	06
1	8	0.190	2.362	06
1	8	0.200	2.072	06
1	8	0.220	1.625	06
1	8	0.240	1.302	06
1	8	0.260	1.062	06
1	8	0.280	8.803	05
1	8	0.300	7.392	05
1	8	0.350	5.007	05
1	8	0.400	3.576	05
1	8	0.450	2.658	05
1	8	0.500	2.039	05
1	8	0.600	1.290	05
1	8	0.700	8.761	04
1	8	0.800	6.268	04
1	8	0.900	4.666	04
1	8	1.000	3.583	04
1	8	1.200	2.270	04
1	8	1.400	1.543	04
1	8	1.600	1.105	04
1	8	1.800	8.227	03
1	8	2.000	6.321	03
1	8	2.500	3.617	03
1	8	3.000	2.293	03
1	8	3.500	1.559	03
1	8	4.000	1.117	03
1	8	4.500	8.317	02
1	8	5.000	6.391	02
1	8	5.500	5.036	02
1	8	6.000	4.051	02
1	8	6.500	3.316	02
1	8	7.000	2.755	02
1	8	8.000	1.973	02
1	8	9.000	1.470	02
1	8	10.000	1.130	02
1	8	12.000	7.160	01
1	8	14.000	4.870	01
1	8	16.000	3.488	01
1	8	18.000	2.598	01
1	8	20.000	1.997	01
1	8	25.000	1.143	01
1	8	30.000	7.245	00
1	8	35.000	4.928	00
1	8	40.000	3.529	00
1	8	45.000	2.629	00
1	8	50.000	2.020	00
1	8	60.000	1.281	00
1	8	70.000	8.712	-01
1	8	80.000	6.239	-01
1	8	90.000	4.648	-01
1	8	100.000	3.571	-01

n'	n	α	S(α)	
1	8	110.000	2.814	-01
1	8	120.000	2.264	-01
1	8	130.000	1.853	-01
1	8	140.000	1.540	-01
1	8	150.000	1.296	-01
1	8	160.000	1.103	-01
1	8	170.000	9.478	-02
1	8	180.000	8.216	-02
1	8	190.000	7.177	-02
1	8	200.000	6.313	-02
1	8	210.000	5.588	-02
1	8	220.000	4.975	-02
1	8	230.000	4.452	-02
1	8	240.000	4.002	-02
1	9	0.005	2.149	09
1	9	0.010	1.783	09
1	9	0.015	1.400	09
1	9	0.020	1.017	09
1	9	0.025	7.069	08
1	9	0.030	4.794	08
1	9	0.035	3.263	08
1	9	0.040	2.260	08
1	9	0.050	1.173	08
1	9	0.060	6.897	07
1	9	0.070	4.414	07
1	9	0.080	3.023	07
1	9	0.090	2.178	07
1	9	0.100	1.631	07
1	9	0.110	1.260	07
1	9	0.120	9.977	06
1	9	0.130	8.062	06
1	9	0.140	6.628	06
1	9	0.150	5.528	06
1	9	0.160	4.669	06
1	9	0.170	3.987	06
1	9	0.180	3.437	06
1	9	0.190	2.988	06
1	9	0.200	2.617	06
1	9	0.220	2.048	06
1	9	0.240	1.638	06
1	9	0.260	1.335	06
1	9	0.280	1.105	06
1	9	0.300	9.271	05
1	9	0.350	6.269	05
1	9	0.400	4.471	05
1	9	0.450	3.321	05
1	9	0.500	2.546	05
1	9	0.600	1.609	05
1	9	0.700	1.092	05
1	9	0.800	7.809	04
1	9	0.900	5.811	04
1	9	1.000	4.462	04
1	9	1.200	2.826	04

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	9	1.400	1.920	04
1	9	1.600	1.375	04
1	9	1.800	1.024	04
1	9	2.000	7.864	03
1	9	2.500	4.500	03
1	9	3.000	2.852	03
1	9	3.500	1.939	03
1	9	4.000	1.389	03
1	9	4.500	1.034	03
1	9	5.000	7.948	02
1	9	5.500	6.263	02
1	9	6.000	5.038	02
1	9	6.500	4.124	02
1	9	7.000	3.427	02
1	9	8.000	2.454	02
1	9	9.000	1.828	02
1	9	10.000	1.405	02
1	9	12.000	8.904	01
1	9	14.000	6.056	01
1	9	16.000	4.337	01
1	9	18.000	3.231	01
1	9	20.000	2.483	01
1	9	25.000	1.421	01
1	9	30.000	9.010	00
1	9	35.000	6.128	00
1	9	40.000	4.389	00
1	9	45.000	3.269	00
1	9	50.000	2.512	00
1	9	60.000	1.593	00
1	9	70.000	1.083	00
1	9	80.000	7.759	-01
1	9	90.000	5.780	-01
1	9	100.000	4.441	-01
1	9	110.000	3.500	-01
1	9	120.000	2.815	-01
1	9	130.000	2.305	-01
1	9	140.000	1.915	-01
1	9	150.000	1.612	-01
1	9	160.000	1.372	-01
1	9	170.000	1.179	-01
1	9	180.000	1.022	-01
1	9	190.000	8.925	-02
1	9	200.000	7.851	-02
1	9	210.000	6.949	-02
1	9	220.000	6.187	-02
1	9	230.000	5.536	-02
1	9	240.000	4.977	-02
1	10	0.005	1.762	09
1	10	0.010	1.742	09
1	10	0.015	1.458	09
1	10	0.020	1.172	09
1	10	0.025	8.981	08
1	10	0.030	6.694	08
1	10	0.035	4.900	08
1	10	0.040	3.572	08
1	10	0.050	1.956	08
1	10	0.060	1.146	08
1	10	0.070	7.310	07
1	10	0.080	4.950	07
1	10	0.090	3.529	07
1	10	0.100	2.621	07
1	10	0.110	2.010	07
1	10	0.120	1.582	07
1	10	0.130	1.273	07
1	10	0.140	1.042	07
1	10	0.150	8.663	06
1	10	0.160	7.296	06
1	10	0.170	6.214	06
1	10	0.180	5.346	06
1	10	0.190	4.639	06
1	10	0.200	4.057	06
1	10	0.220	3.166	06
1	10	0.240	2.527	06
1	10	0.260	2.056	06
1	10	0.280	1.700	06
1	10	0.300	1.424	06
1	10	0.350	9.608	05
1	10	0.400	6.842	05
1	10	0.450	5.076	05
1	10	0.500	3.888	05
1	10	0.600	2.454	05
1	10	0.700	1.664	05
1	10	0.800	1.190	05
1	10	0.900	8.849	04
1	10	1.000	6.793	04
1	10	1.200	4.300	04
1	10	1.400	2.922	04
1	10	1.600	2.091	04
1	10	1.800	1.557	04
1	10	2.000	1.196	04
1	10	2.500	6.841	03
1	10	3.000	4.335	03
1	10	3.500	2.948	03
1	10	4.000	2.111	03
1	10	4.500	1.572	03
1	10	5.000	1.208	03
1	10	5.500	9.518	02
1	10	6.000	7.657	02
1	10	6.500	6.268	02
1	10	7.000	5.208	02
1	10	8.000	3.729	02
1	10	9.000	2.778	02
1	10	10.000	2.135	02
1	10	12.000	1.353	02
1	10	14.000	9.204	01
1	10	16.000	6.592	01
1	10	18.000	4.910	01
1	10	20.000	3.773	01
1	10	25.000	2.160	01
1	10	30.000	1.369	01
1	10	35.000	9.313	00
1	10	40.000	6.670	00
1	10	45.000	4.968	00
1	10	50.000	3.818	00
1	10	60.000	2.420	00
1	10	70.000	1.646	00
1	10	80.000	1.179	00
1	10	90.000	8.783	-01
1	10	100.000	6.749	-01
1	10	110.000	5.318	-01
1	10	120.000	4.279	-01
1	10	130.000	3.503	-01
1	10	140.000	2.910	-01
1	10	150.000	2.449	-01
1	10	160.000	2.084	-01
1	10	170.000	1.791	-01
1	10	180.000	1.553	-01
1	10	190.000	1.356	-01
1	10	200.000	1.193	-01
1	10	210.000	1.056	-01
1	10	220.000	9.401	-02
1	10	230.000	8.413	-02
1	10	240.000	7.563	-02
1	11	0.005	1.681	09
1	11	0.010	1.319	09
1	11	0.015	1.199	09
1	11	0.020	1.021	09
1	11	0.025	8.424	08
1	11	0.030	6.754	08
1	11	0.035	5.296	08
1	11	0.040	4.106	08
1	11	0.050	2.441	08
1	11	0.060	1.486	08
1	11	0.070	9.474	07
1	11	0.080	6.401	07
1	11	0.090	4.542	07
1	11	0.100	3.345	07
1	11	0.110	2.547	07
1	11	0.120	1.992	07
1	11	0.130	1.593	07
1	11	0.140	1.299	07
1	11	0.150	1.075	07
1	11	0.160	9.026	06
1	11	0.170	7.665	06
1	11	0.180	6.577	06
1	11	0.190	5.695	06
1	11	0.200	4.971	06
1	11	0.220	3.867	06
1	11	0.240	3.079	06
1	11	0.260	2.500	06

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	11	0.280	2.063	06
1	11	0.300	1.726	06
1	11	0.350	1.161	06
1	11	0.400	8.254	05
1	11	0.450	6.115	05
1	11	0.500	4.679	05
1	11	0.600	2.949	05
1	11	0.700	1.998	05
1	11	0.800	1.427	05
1	11	0.900	1.061	05
1	11	1.000	8.143	04
1	11	1.200	5.152	04
1	11	1.400	3.499	04
1	11	1.600	2.504	04
1	11	1.800	1.864	04
1	11	2.000	1.432	04
1	11	2.500	8.188	03
1	11	3.000	5.188	03
1	11	3.500	3.528	03
1	11	4.000	2.526	03
1	11	4.500	1.881	03
1	11	5.000	1.445	03
1	11	5.500	1.139	03
1	11	6.000	9.161	02
1	11	6.500	7.499	02
1	11	7.000	6.231	02
1	11	8.000	4.462	02
1	11	9.000	3.324	02
1	11	10.000	2.554	02
1	11	12.000	1.619	02
1	11	14.000	1.101	02
1	11	16.000	7.886	01
1	11	18.000	5.874	01
1	11	20.000	4.514	01
1	11	25.000	2.584	01
1	11	30.000	1.638	01
1	11	35.000	1.114	01
1	11	40.000	7.979	00
1	11	45.000	5.944	00
1	11	50.000	4.567	00
1	11	60.000	2.895	00
1	11	70.000	1.969	00
1	11	80.000	1.410	00
1	11	90.000	1.051	00
1	11	100.000	8.074	-01
1	11	110.000	6.362	-01
1	11	120.000	5.118	-01
1	11	130.000	4.190	-01
1	11	140.000	3.481	-01
1	11	150.000	2.930	-01
1	11	160.000	2.493	-01
1	11	170.000	2.143	-01
1	11	180.000	1.857	-01
1	11	190.000	1.623	-01
1	11	200.000	1.427	-01
1	11	210.000	1.263	-01
1	11	220.000	1.125	-01
1	11	230.000	1.006	-01
1	11	240.000	9.048	-02
1	12	0.005	1.072	09
1	12	0.010	1.298	09
1	12	0.015	1.160	09
1	12	0.020	1.039	09
1	12	0.025	9.032	08
1	12	0.030	7.646	08
1	12	0.035	6.356	08
1	12	0.040	5.202	08
1	12	0.050	3.384	08
1	12	0.060	2.188	08
1	12	0.070	1.440	08
1	12	0.080	9.788	07
1	12	0.090	6.907	07
1	12	0.100	5.087	07
1	12	0.110	3.849	07
1	12	0.120	2.991	07
1	12	0.130	2.379	07
1	12	0.140	1.929	07
1	12	0.150	1.590	07
1	12	0.160	1.329	07
1	12	0.170	1.125	07
1	12	0.180	9.626	06
1	12	0.190	8.313	06
1	12	0.200	7.239	06
1	12	0.220	5.609	06
1	12	0.240	4.453	06
1	12	0.260	3.606	06
1	12	0.280	2.969	06
1	12	0.300	2.480	06
1	12	0.350	1.663	06
1	12	0.400	1.180	06
1	12	0.450	8.724	05
1	12	0.500	6.668	05
1	12	0.600	4.195	05
1	12	0.700	2.839	05
1	12	0.800	2.026	05
1	12	0.900	1.506	05
1	12	1.000	1.155	05
1	12	1.200	7.301	04
1	12	1.400	4.958	04
1	12	1.600	3.546	04
1	12	1.800	2.639	04
1	12	2.000	2.027	04
1	12	2.500	1.159	04
1	12	3.000	7.342	03
1	12	3.500	4.992	03
1	12	4.000	3.574	03
1	12	4.500	2.662	03
1	12	5.000	2.045	03
1	12	5.500	1.611	03
1	12	6.000	1.296	03
1	12	6.500	1.061	03
1	12	7.000	8.815	02
1	12	8.000	6.312	02
1	12	9.000	4.702	02
1	12	10.000	3.613	02
1	12	12.000	2.290	02
1	12	14.000	1.558	02
1	12	16.000	1.115	02
1	12	18.000	8.309	01
1	12	20.000	6.385	01
1	12	25.000	3.655	01
1	12	30.000	2.317	01
1	12	35.000	1.576	01
1	12	40.000	1.129	01
1	12	45.000	8.408	00
1	12	50.000	6.461	00
1	12	60.000	4.096	00
1	12	70.000	2.786	00
1	12	80.000	1.995	00
1	12	90.000	1.486	00
1	12	100.000	1.142	00
1	12	110.000	8.999	-01
1	12	120.000	7.240	-01
1	12	130.000	5.927	-01
1	12	140.000	4.925	-01
1	12	150.000	4.144	-01
1	12	160.000	3.527	-01
1	12	170.000	3.031	-01
1	12	180.000	2.627	-01
1	12	190.000	2.295	-01
1	12	200.000	2.019	-01
1	12	210.000	1.787	-01
1	12	220.000	1.591	-01
1	12	230.000	1.424	-01
1	12	240.000	1.280	-01
1	13	0.005	1.374	09
1	13	0.010	9.751	08
1	13	0.015	9.502	08
1	13	0.020	8.743	08
1	13	0.025	7.841	08
1	13	0.030	6.928	08
1	13	0.035	6.012	08
1	13	0.040	5.136	08
1	13	0.050	3.638	08
1	13	0.060	2.512	08
1	13	0.070	1.733	08
1	13	0.080	1.209	08
1	13	0.090	8.635	07
1	13	0.100	6.333	07
1	13	0.110	4.783	07

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	13	0.120	3.717	07
1	13	0.130	2.942	07
1	13	0.140	2.374	07
1	13	0.150	1.948	07
1	13	0.160	1.622	07
1	13	0.170	1.368	07
1	13	0.180	1.166	07
1	13	0.190	1.004	07
1	13	0.200	8.720	06
1	13	0.220	6.727	06
1	13	0.240	5.321	06
1	13	0.260	4.296	06
1	13	0.280	3.529	06
1	13	0.300	2.942	06
1	13	0.350	1.965	06
1	13	0.400	1.390	06
1	13	0.450	1.026	06
1	13	0.500	7.830	05
1	13	0.600	4.916	05
1	13	0.700	3.323	05
1	13	0.800	2.369	05
1	13	0.900	1.759	05
1	13	1.000	1.349	05
1	13	1.200	8.521	04
1	13	1.400	5.783	04
1	13	1.600	4.135	04
1	13	1.800	3.077	04
1	13	2.000	2.362	04
1	13	2.500	1.350	04
1	13	3.000	8.554	03
1	13	3.500	5.815	03
1	13	4.000	4.163	03
1	13	4.500	3.100	03
1	13	5.000	2.382	03
1	13	5.500	1.876	03
1	13	6.000	1.509	03
1	13	6.500	1.236	03
1	13	7.000	1.026	03
1	13	8.000	7.351	02
1	13	9.000	5.475	02
1	13	10.000	4.207	02
1	13	12.000	2.667	02
1	13	14.000	1.814	02
1	13	16.000	1.299	02
1	13	18.000	9.675	01
1	13	20.000	7.435	01
1	13	25.000	4.256	01
1	13	30.000	2.698	01
1	13	35.000	1.835	01
1	13	40.000	1.314	01
1	13	45.000	9.790	00
1	13	50.000	7.523	00
1	13	60.000	4.769	00
1	13	70.000	3.244	00
1	13	80.000	2.323	00
1	13	90.000	1.731	00
1	13	100.000	1.330	00
1	13	110.000	1.048	00
1	13	120.000	8.430	-01
1	13	130.000	6.901	-01
1	13	140.000	5.734	-01
1	13	150.000	4.826	-01
1	13	160.000	4.107	-01
1	13	170.000	3.529	-01
1	13	180.000	3.059	-01
1	13	190.000	2.672	-01
1	13	200.000	2.351	-01
1	13	210.000	2.081	-01
1	13	220.000	1.852	-01
1	13	230.000	1.658	-01
1	13	240.000	1.490	-01
1	14	0.005	5.836	08
1	14	0.010	9.780	08
1	14	0.015	9.084	08
1	14	0.020	8.477	08
1	14	0.025	7.853	08
1	14	0.030	7.145	08
1	14	0.035	6.396	08
1	14	0.040	5.660	08
1	14	0.050	4.299	08
1	14	0.060	3.168	08
1	14	0.070	2.301	08
1	14	0.080	1.668	08
1	14	0.090	1.221	08
1	14	0.100	9.071	07
1	14	0.110	6.870	07
1	14	0.120	5.313	07
1	14	0.130	4.202	07
1	14	0.140	3.390	07
1	14	0.150	2.771	07
1	14	0.160	2.298	07
1	14	0.170	1.931	07
1	14	0.180	1.640	07
1	14	0.190	1.408	07
1	14	0.200	1.219	07
1	14	0.220	9.358	06
1	14	0.240	7.372	06
1	14	0.260	5.932	06
1	14	0.280	4.859	06
1	14	0.300	4.041	06
1	14	0.350	2.687	06
1	14	0.400	1.895	06
1	14	0.450	1.395	06
1	14	0.500	1.063	06
1	14	0.600	6.658	05
1	14	0.700	4.493	05
1	14	0.800	3.200	05
1	14	0.900	2.374	05
1	14	1.000	1.819	05
1	14	1.200	1.148	05
1	14	1.400	7.789	04
1	14	1.600	5.567	04
1	14	1.800	4.141	04
1	14	2.000	3.179	04
1	14	2.500	1.817	04
1	14	3.000	1.150	04
1	14	3.500	7.819	03
1	14	4.000	5.597	03
1	14	4.500	4.168	03
1	14	5.000	3.202	03
1	14	5.500	2.523	03
1	14	6.000	2.029	03
1	14	6.500	1.661	03
1	14	7.000	1.380	03
1	14	8.000	9.880	02
1	14	9.000	7.359	02
1	14	10.000	5.654	02
1	14	12.000	3.584	02
1	14	14.000	2.438	02
1	14	16.000	1.746	02
1	14	18.000	1.300	02
1	14	20.000	9.992	01
1	14	25.000	5.720	01
1	14	30.000	3.626	01
1	14	35.000	2.466	01
1	14	40.000	1.766	01
1	14	45.000	1.316	01
1	14	50.000	1.011	01
1	14	60.000	6.409	00
1	14	70.000	4.359	00
1	14	80.000	3.122	00
1	14	90.000	2.326	00
1	14	100.000	1.787	00
1	14	110.000	1.408	00
1	14	120.000	1.133	00
1	14	130.000	9.275	-01
1	14	140.000	7.706	-01
1	14	150.000	6.485	-01
1	14	160.000	5.519	-01
1	14	170.000	4.743	-01
1	14	180.000	4.111	-01
1	14	190.000	3.591	-01
1	14	200.000	3.159	-01
1	14	210.000	2.796	-01
1	14	220.000	2.489	-01
1	14	230.000	2.228	-01
1	14	240.000	2.003	-01
1	15	0.005	1.121	09
1	15	0.010	7.465	08
1	15	0.015	7.433	08

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	15	0.020	7.149	08
1	15	0.025	6.711	08
1	15	0.030	6.219	08
1	15	0.035	5.719	08
1	15	0.040	5.197	08
1	15	0.050	4.165	08
1	15	0.060	3.249	08
1	15	0.070	2.481	08
1	15	0.080	1.878	08
1	15	0.090	1.418	08
1	15	0.100	1.078	08
1	15	0.110	8.281	07
1	15	0.120	6.444	07
1	15	0.130	5.094	07
1	15	0.140	4.093	07
1	15	0.150	3.345	07
1	15	0.160	2.775	07
1	15	0.170	2.324	07
1	15	0.180	1.968	07
1	15	0.190	1.684	07
1	15	0.200	1.454	07
1	15	0.220	1.110	07
1	15	0.240	8.708	06
1	15	0.260	6.981	06
1	15	0.280	5.700	06
1	15	0.300	4.728	06
1	15	0.350	3.128	06
1	15	0.400	2.197	06
1	15	0.450	1.614	06
1	15	0.500	1.227	06
1	15	0.600	7.664	05
1	15	0.700	5.163	05
1	15	0.800	3.672	05
1	15	0.900	2.722	05
1	15	1.000	2.084	05
1	15	1.200	1.314	05
1	15	1.400	8.909	04
1	15	1.600	6.365	04
1	15	1.800	4.734	04
1	15	2.000	3.633	04
1	15	2.500	2.075	04
1	15	3.000	1.314	04
1	15	3.500	8.928	03
1	15	4.000	6.390	03
1	15	4.500	4.758	03
1	15	5.000	3.655	03
1	15	5.500	2.879	03
1	15	6.000	2.316	03
1	15	6.500	1.896	03
1	15	7.000	1.575	03
1	15	8.000	1.128	03
1	15	9.000	8.399	02
1	15	10.000	6.453	02
1	15	12.000	4.090	02
1	15	14.000	2.782	02
1	15	16.000	1.992	02
1	15	18.000	1.484	02
1	15	20.000	1.140	02
1	15	25.000	6.527	01
1	15	30.000	4.137	01
1	15	35.000	2.814	01
1	15	40.000	2.015	01
1	15	45.000	1.501	01
1	15	50.000	1.154	01
1	15	60.000	7.313	00
1	15	70.000	4.974	00
1	15	80.000	3.562	00
1	15	90.000	2.654	00
1	15	100.000	2.039	00
1	15	110.000	1.607	00
1	15	120.000	1.293	00
1	15	130.000	1.058	00
1	15	140.000	8.793	-01
1	15	150.000	7.400	-01
1	15	160.000	6.297	-01
1	15	170.000	5.412	-01
1	15	180.000	4.691	-01
1	15	190.000	4.098	-01
1	15	200.000	3.605	-01
1	15	210.000	3.191	-01
1	15	220.000	2.841	-01
1	15	230.000	2.542	-01
1	15	240.000	2.285	-01
1	16	0.005	4.362	08
1	16	0.010	7.441	08
1	16	0.015	7.210	08
1	16	0.020	6.833	08
1	16	0.025	6.535	08
1	16	0.030	6.177	08
1	16	0.035	5.779	08
1	16	0.040	5.351	08
1	16	0.050	4.493	08
1	16	0.060	3.664	08
1	16	0.070	2.931	08
1	16	0.080	2.310	08
1	16	0.090	1.807	08
1	16	0.100	1.412	08
1	16	0.110	1.107	08
1	16	0.120	8.750	07
1	16	0.130	6.977	07
1	16	0.140	5.623	07
1	16	0.150	4.589	07
1	16	0.160	3.794	07
1	16	0.170	3.176	07
1	16	0.180	2.693	07
1	16	0.190	2.299	07
1	16	0.200	1.980	07
1	16	0.220	1.504	07
1	16	0.240	1.174	07
1	16	0.260	9.372	06
1	16	0.280	7.626	06
1	16	0.300	6.306	06
1	16	0.350	4.148	06
1	16	0.400	2.902	06
1	16	0.450	2.125	06
1	16	0.500	1.612	06
1	16	0.600	1.004	06
1	16	0.700	6.746	05
1	16	0.800	4.792	05
1	16	0.900	3.548	05
1	16	1.000	2.714	05
1	16	1.200	1.710	05
1	16	1.400	1.158	05
1	16	1.600	8.271	04
1	16	1.800	6.148	04
1	16	2.000	4.717	04
1	16	2.500	2.693	04
1	16	3.000	1.704	04
1	16	3.500	1.158	04
1	16	4.000	8.288	03
1	16	4.500	6.171	03
1	16	5.000	4.740	03
1	16	5.500	3.734	03
1	16	6.000	3.003	03
1	16	6.500	2.458	03
1	16	7.000	2.042	03
1	16	8.000	1.462	03
1	16	9.000	1.089	03
1	16	10.000	8.366	02
1	16	12.000	5.303	02
1	16	14.000	3.606	02
1	16	16.000	2.583	02
1	16	18.000	1.924	02
1	16	20.000	1.478	02
1	16	25.000	8.461	01
1	16	30.000	5.363	01
1	16	35.000	3.648	01
1	16	40.000	2.613	01
1	16	45.000	1.946	01
1	16	50.000	1.495	01
1	16	60.000	9.480	00
1	16	70.000	6.448	00
1	16	80.000	4.618	00
1	16	90.000	3.440	00
1	16	100.000	2.644	00
1	16	110.000	2.083	00
1	16	120.000	1.676	00
1	16	130.000	1.372	00
1	16	140.000	1.140	00
1	16	150.000	9.593	-01
1	16	160.000	8.164	-01

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	16	170.000	7.016	-01
1	16	180.000	6.081	-01
1	16	190.000	5.312	-01
1	16	200.000	4.673	-01
1	16	210.000	4.136	-01
1	16	220.000	3.682	-01
1	16	230.000	3.295	-01
1	16	240.000	2.962	-01
1	17	0.005	9.061	08
1	17	0.010	6.059	08
1	17	0.015	5.870	08
1	17	0.020	5.820	08
1	17	0.025	5.605	08
1	17	0.030	5.342	08
1	17	0.035	5.057	08
1	17	0.040	4.765	08
1	17	0.050	4.134	08
1	17	0.060	3.502	08
1	17	0.070	2.910	08
1	17	0.080	2.380	08
1	17	0.090	1.928	08
1	17	0.100	1.552	08
1	17	0.110	1.247	08
1	17	0.120	1.004	08
1	17	0.130	8.117	07
1	17	0.140	6.615	07
1	17	0.150	5.431	07
1	17	0.160	4.496	07
1	17	0.170	3.761	07
1	17	0.180	3.179	07
1	17	0.190	2.712	07
1	17	0.200	2.339	07
1	17	0.220	1.770	07
1	17	0.240	1.376	07
1	17	0.260	1.094	07
1	17	0.280	8.871	06
1	17	0.300	7.312	06
1	17	0.350	4.779	06
1	17	0.400	3.328	06
1	17	0.450	2.429	06
1	17	0.500	1.838	06
1	17	0.600	1.140	06
1	17	0.700	7.645	05
1	17	0.800	5.421	05
1	17	0.900	4.009	05
1	17	1.000	3.064	05
1	17	1.200	1.928	05
1	17	1.400	1.305	05
1	17	1.600	9.312	04
1	17	1.800	6.919	04
1	17	2.000	5.307	04
1	17	2.500	3.028	04
1	17	3.000	1.916	04
1	17	3.500	1.302	04
1	17	4.000	9.313	03
1	17	4.500	6.933	03
1	17	5.000	5.325	03
1	17	5.500	4.195	03
1	17	6.000	3.374	03
1	17	6.500	2.761	03
1	17	7.000	2.294	03
1	17	8.000	1.642	03
1	17	9.000	1.223	03
1	17	10.000	9.397	02
1	17	12.000	5.955	02
1	17	14.000	4.050	02
1	17	16.000	2.900	02
1	17	18.000	2.160	02
1	17	20.000	1.660	02
1	17	25.000	9.502	01
1	17	30.000	6.023	01
1	17	35.000	4.097	01
1	17	40.000	2.934	01
1	17	45.000	2.185	01
1	17	50.000	1.679	01
1	17	60.000	1.065	01
1	17	70.000	7.241	00
1	17	80.000	5.186	00
1	17	90.000	3.863	00
1	17	100.000	2.969	00
1	17	110.000	2.339	00
1	17	120.000	1.882	00
1	17	130.000	1.541	00
1	17	140.000	1.280	00
1	17	150.000	1.077	00
1	17	160.000	9.167	-01
1	17	170.000	7.878	-01
1	17	180.000	6.829	-01
1	17	190.000	5.966	-01
1	17	200.000	5.248	-01
1	17	210.000	4.645	-01
1	17	220.000	4.135	-01
1	17	230.000	3.700	-01
1	17	240.000	3.327	-01
1	18	0.005	2.927	08
1	18	0.010	5.694	08
1	18	0.015	5.829	08
1	18	0.020	5.561	08
1	18	0.025	5.374	08
1	18	0.030	5.199	08
1	18	0.035	4.985	08
1	18	0.040	4.746	08
1	18	0.050	4.226	08
1	18	0.060	3.694	08
1	18	0.070	3.166	08
1	18	0.080	2.678	08
1	18	0.090	2.236	08
1	18	0.100	1.852	08
1	18	0.110	1.527	08
1	18	0.120	1.256	08
1	18	0.130	1.034	08
1	18	0.140	8.542	07
1	18	0.150	7.088	07
1	18	0.160	5.916	07
1	18	0.170	4.969	07
1	18	0.180	4.203	07
1	18	0.190	3.584	07
1	18	0.200	3.083	07
1	18	0.220	2.332	07
1	18	0.240	1.810	07
1	18	0.260	1.434	07
1	18	0.280	1.159	07
1	18	0.300	9.521	06
1	18	0.350	6.181	06
1	18	0.400	4.283	06
1	18	0.450	3.114	06
1	18	0.500	2.349	06
1	18	0.600	1.451	06
1	18	0.700	9.705	05
1	18	0.800	6.869	05
1	18	0.900	5.074	05
1	18	1.000	3.873	05
1	18	1.200	2.433	05
1	18	1.400	1.645	05
1	18	1.600	1.174	05
1	18	1.800	8.716	04
1	18	2.000	6.682	04
1	18	2.500	3.811	04
1	18	3.000	2.410	04
1	18	3.500	1.637	04
1	18	4.000	1.171	04
1	18	4.500	8.718	03
1	18	5.000	6.695	03
1	18	5.500	5.273	03
1	18	6.000	4.241	03
1	18	6.500	3.471	03
1	18	7.000	2.883	03
1	18	8.000	2.064	03
1	18	9.000	1.537	03
1	18	10.000	1.181	03
1	18	12.000	7.485	02
1	18	14.000	5.090	02
1	18	16.000	3.645	02
1	18	18.000	2.715	02
1	18	20.000	2.086	02
1	18	25.000	1.194	02
1	18	30.000	7.569	01
1	18	35.000	5.148	01
1	18	40.000	3.687	01
1	18	45.000	2.746	01

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
1	18	50.000	2.110	01
1	18	60.000	1.338	01
1	18	70.000	9.100	00
1	18	80.000	6.517	00
1	18	90.000	4.855	00
1	18	100.000	3.730	00
1	18	110.000	2.939	00
1	18	120.000	2.365	00
1	18	130.000	1.936	00
1	18	140.000	1.609	00
1	18	150.000	1.354	00
1	18	160.000	1.152	00
1	18	170.000	9.900	-01
1	18	180.000	8.582	-01
1	18	190.000	7.497	-01
1	18	200.000	6.594	-01
1	18	210.000	5.837	-01
1	18	220.000	5.196	-01
1	18	230.000	4.650	-01
1	18	240.000	4.180	-01
2	3	0.005	3.772	08
2	3	0.010	9.612	08
2	3	0.015	1.123	09
2	3	0.020	9.615	08
2	3	0.025	7.639	08
2	3	0.030	6.271	08
2	3	0.035	5.412	08
2	3	0.040	4.861	08
2	3	0.050	3.963	08
2	3	0.060	3.167	08
2	3	0.070	2.465	08
2	3	0.080	1.894	08
2	3	0.090	1.443	08
2	3	0.100	1.101	08
2	3	0.110	8.516	07
2	3	0.120	6.676	07
2	3	0.130	5.279	07
2	3	0.140	4.242	07
2	3	0.150	3.479	07
2	3	0.160	2.885	07
2	3	0.170	2.417	07
2	3	0.180	2.047	07
2	3	0.190	1.751	07
2	3	0.200	1.511	07
2	3	0.220	1.153	07
2	3	0.240	9.031	06
2	3	0.260	7.233	06
2	3	0.280	5.902	06
2	3	0.300	4.891	06
2	3	0.350	3.231	06
2	3	0.400	2.268	06
2	3	0.450	1.664	06
2	3	0.500	1.265	06
2	3	0.600	7.892	05
2	3	0.700	5.313	05
2	3	0.800	3.778	05
2	3	0.900	2.800	05
2	3	1.000	2.143	05
2	3	1.200	1.351	05
2	3	1.400	9.158	04
2	3	1.600	6.542	04
2	3	1.800	4.864	04
2	3	2.000	3.733	04
2	3	2.500	2.132	04
2	3	3.000	1.350	04
2	3	3.500	9.172	03
2	3	4.000	6.564	03
2	3	4.500	4.888	03
2	3	5.000	3.755	03
2	3	5.500	2.958	03
2	3	6.000	2.379	03
2	3	6.500	1.947	03
2	3	7.000	1.618	03
2	3	8.000	1.158	03
2	3	9.000	8.627	02
2	3	10.000	6.629	02
2	3	12.000	4.201	02
2	3	14.000	2.857	02
2	3	16.000	2.046	02
2	3	18.000	1.524	02
2	3	20.000	1.171	02
2	3	25.000	6.704	01
2	3	30.000	4.250	01
2	3	35.000	2.891	01
2	3	40.000	2.070	01
2	3	45.000	1.542	01
2	3	50.000	1.185	01
2	3	60.000	7.512	00
2	3	70.000	5.110	00
2	3	80.000	3.659	00
2	3	90.000	2.726	00
2	3	100.000	2.095	00
2	3	110.000	1.651	00
2	3	120.000	1.328	00
2	3	130.000	1.087	00
2	3	140.000	9.032	-01
2	3	150.000	7.601	-01
2	3	160.000	6.469	-01
2	3	170.000	5.559	-01
2	3	180.000	4.819	-01
2	3	190.000	4.209	-01
2	3	200.000	3.703	-01
2	3	210.000	3.278	-01
2	3	220.000	2.918	-01
2	3	230.000	2.611	-01
2	3	240.000	2.347	-01
2	4	0.005	7.844	07
2	4	0.010	2.500	08
2	4	0.015	4.132	08
2	4	0.020	5.286	08
2	4	0.025	5.989	08
2	4	0.030	6.312	08
2	4	0.035	6.308	08
2	4	0.040	6.067	08
2	4	0.050	5.228	08
2	4	0.060	4.304	08
2	4	0.070	3.471	08
2	4	0.080	2.787	08
2	4	0.090	2.243	08
2	4	0.100	1.798	08
2	4	0.110	1.445	08
2	4	0.120	1.168	08
2	4	0.130	9.519	07
2	4	0.140	7.788	07
2	4	0.150	6.419	07
2	4	0.160	5.340	07
2	4	0.170	4.487	07
2	4	0.180	3.791	07
2	4	0.190	3.233	07
2	4	0.200	2.784	07
2	4	0.220	2.116	07
2	4	0.240	1.645	07
2	4	0.260	1.309	07
2	4	0.280	1.061	07
2	4	0.300	8.739	06
2	4	0.350	5.707	06
2	4	0.400	3.971	06
2	4	0.450	2.896	06
2	4	0.500	2.190	06
2	4	0.600	1.358	06
2	4	0.700	9.103	05
2	4	0.800	6.453	05
2	4	0.900	4.772	05
2	4	1.000	3.646	05
2	4	1.200	2.294	05
2	4	1.400	1.552	05
2	4	1.600	1.108	05
2	4	1.800	8.230	04
2	4	2.000	6.312	04
2	4	2.500	3.601	04
2	4	3.000	2.279	04
2	4	3.500	1.548	04
2	4	4.000	1.108	04
2	4	4.500	8.245	03
2	4	5.000	6.333	03
2	4	5.500	4.988	03
2	4	6.000	4.012	03
2	4	6.500	3.283	03
2	4	7.000	2.727	03
2	4	8.000	1.953	03
2	4	9.000	1.454	03

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
2	4	10.000	1.117	03
2	4	12.000	7.082	02
2	4	14.000	4.816	02
2	4	16.000	3.449	02
2	4	18.000	2.569	02
2	4	20.000	1.974	02
2	4	25.000	1.130	02
2	4	30.000	7.162	01
2	4	35.000	4.871	01
2	4	40.000	3.489	01
2	4	45.000	2.599	01
2	4	50.000	1.997	01
2	4	60.000	1.266	01
2	4	70.000	8.611	00
2	4	80.000	6.167	00
2	4	90.000	4.594	00
2	4	100.000	3.530	00
2	4	110.000	2.782	00
2	4	120.000	2.238	00
2	4	130.000	1.832	00
2	4	140.000	1.522	00
2	4	150.000	1.281	00
2	4	160.000	1.090	00
2	4	170.000	9.368	-01
2	4	180.000	8.120	-01
2	4	190.000	7.094	-01
2	4	200.000	6.240	-01
2	4	210.000	5.523	-01
2	4	220.000	4.917	-01
2	4	230.000	4.400	-01
2	4	240.000	3.956	-01
2	5	0.005	7.640	07
2	5	0.010	2.163	08
2	5	0.015	3.035	08
2	5	0.020	3.239	08
2	5	0.025	3.126	08
2	5	0.030	2.981	08
2	5	0.035	2.924	08
2	5	0.040	2.942	08
2	5	0.050	3.091	08
2	5	0.060	3.204	08
2	5	0.070	3.198	08
2	5	0.080	3.076	08
2	5	0.090	2.869	08
2	5	0.100	2.613	08
2	5	0.110	2.339	08
2	5	0.120	2.066	08
2	5	0.130	1.808	08
2	5	0.140	1.572	08
2	5	0.150	1.362	08
2	5	0.160	1.180	08
2	5	0.170	1.022	08
2	5	0.180	8.845	07
2	5	0.190	7.665	07
2	5	0.200	6.669	07
2	5	0.220	5.109	07
2	5	0.240	3.963	07
2	5	0.260	3.128	07
2	5	0.280	2.509	07
2	5	0.300	2.054	07
2	5	0.350	1.307	07
2	5	0.400	8.895	06
2	5	0.450	6.375	06
2	5	0.500	4.755	06
2	5	0.600	2.890	06
2	5	0.700	1.912	06
2	5	0.800	1.343	06
2	5	0.900	9.865	05
2	5	1.000	7.500	05
2	5	1.200	4.684	05
2	5	1.400	3.155	05
2	5	1.600	2.244	05
2	5	1.800	1.664	05
2	5	2.000	1.274	05
2	5	2.500	7.245	04
2	5	3.000	4.576	04
2	5	3.500	3.105	04
2	5	4.000	2.220	04
2	5	4.500	1.651	04
2	5	5.000	1.268	04
2	5	5.500	9.983	03
2	5	6.000	8.026	03
2	5	6.500	6.568	03
2	5	7.000	5.455	03
2	5	8.000	3.904	03
2	5	9.000	2.907	03
2	5	10.000	2.233	03
2	5	12.000	1.415	03
2	5	14.000	9.622	02
2	5	16.000	6.890	02
2	5	18.000	5.131	02
2	5	20.000	3.943	02
2	5	25.000	2.257	02
2	5	30.000	1.430	02
2	5	35.000	9.728	01
2	5	40.000	6.967	01
2	5	45.000	5.190	01
2	5	50.000	3.988	01
2	5	60.000	2.528	01
2	5	70.000	1.719	01
2	5	80.000	1.231	01
2	5	90.000	9.173	00
2	5	100.000	7.049	00
2	5	110.000	5.554	00
2	5	120.000	4.468	00
2	5	130.000	3.658	00
2	5	140.000	3.039	00
2	5	150.000	2.558	00
2	5	160.000	2.177	00
2	5	170.000	1.871	00
2	5	180.000	1.621	00
2	5	190.000	1.416	00
2	5	200.000	1.246	00
2	5	210.000	1.103	00
2	5	220.000	9.818	-01
2	5	230.000	8.785	-01
2	5	240.000	7.899	-01
2	6	0.005	8.398	07
2	6	0.010	1.957	08
2	6	0.015	2.438	08
2	6	0.020	2.765	08
2	6	0.025	3.091	08
2	6	0.030	3.328	08
2	6	0.035	3.416	08
2	6	0.040	3.375	08
2	6	0.050	3.089	08
2	6	0.060	2.761	08
2	6	0.070	2.486	08
2	6	0.080	2.273	08
2	6	0.090	2.113	08
2	6	0.100	1.975	08
2	6	0.110	1.850	08
2	6	0.120	1.730	08
2	6	0.130	1.613	08
2	6	0.140	1.498	08
2	6	0.150	1.386	08
2	6	0.160	1.275	08
2	6	0.170	1.168	08
2	6	0.180	1.067	08
2	6	0.190	9.701	07
2	6	0.200	8.799	07
2	6	0.220	7.202	07
2	6	0.240	5.877	07
2	6	0.260	4.800	07
2	6	0.280	3.937	07
2	6	0.300	3.243	07
2	6	0.350	2.074	07
2	6	0.400	1.397	07
2	6	0.450	9.911	06
2	6	0.500	7.289	06
2	6	0.600	4.330	06
2	6	0.700	2.817	06
2	6	0.800	1.956	06
2	6	0.900	1.424	06
2	6	1.000	1.075	06
2	6	1.200	6.652	05
2	6	1.400	4.453	05
2	6	1.600	3.154	05
2	6	1.800	2.331	05
2	6	2.000	1.780	05

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
2	6	2.500	1.009	05
2	6	3.000	6.356	04
2	6	3.500	4.306	04
2	6	4.000	3.075	04
2	6	4.500	2.286	04
2	6	5.000	1.754	04
2	6	5.500	1.380	04
2	6	6.000	1.110	04
2	6	6.500	9.076	03
2	6	7.000	7.537	03
2	6	8.000	5.392	03
2	6	9.000	4.014	03
2	6	10.000	3.083	03
2	6	12.000	1.953	03
2	6	14.000	1.328	03
2	6	16.000	9.505	02
2	6	18.000	7.079	02
2	6	20.000	5.438	02
2	6	25.000	3.112	02
2	6	30.000	1.973	02
2	6	35.000	1.342	02
2	6	40.000	9.607	01
2	6	45.000	7.156	01
2	6	50.000	5.499	01
2	6	60.000	3.486	01
2	6	70.000	2.371	01
2	6	80.000	1.698	01
2	6	90.000	1.265	01
2	6	100.000	9.719	00
2	6	110.000	7.658	00
2	6	120.000	6.161	00
2	6	130.000	5.044	00
2	6	140.000	4.191	00
2	6	150.000	3.527	00
2	6	160.000	3.001	00
2	6	170.000	2.579	00
2	6	180.000	2.236	00
2	6	190.000	1.953	00
2	6	200.000	1.718	00
2	6	210.000	1.521	00
2	6	220.000	1.354	00
2	6	230.000	1.211	00
2	6	240.000	1.089	00
2	7	0.005	3.429	07
2	7	0.010	8.277	07
2	7	0.015	1.120	08
2	7	0.020	1.344	08
2	7	0.025	1.512	08
2	7	0.030	1.618	08
2	7	0.035	1.679	08
2	7	0.040	1.724	08
2	7	0.050	1.820	08
2	7	0.060	1.919	08

n'	n	α	S(α)	
2	7	0.070	1.997	08
2	7	0.080	2.028	08
2	7	0.090	2.017	08
2	7	0.100	1.973	08
2	7	0.110	1.905	08
2	7	0.120	1.825	08
2	7	0.130	1.739	08
2	7	0.140	1.649	08
2	7	0.150	1.560	08
2	7	0.160	1.472	08
2	7	0.170	1.386	08
2	7	0.180	1.304	08
2	7	0.190	1.226	08
2	7	0.200	1.151	08
2	7	0.220	1.006	08
2	7	0.240	8.747	07
2	7	0.260	7.575	07
2	7	0.280	6.534	07
2	7	0.300	5.624	07
2	7	0.350	3.853	07
2	7	0.400	2.676	07
2	7	0.450	1.902	07
2	7	0.500	1.395	07
2	7	0.600	8.176	06
2	7	0.700	5.223	06
2	7	0.800	3.570	06
2	7	0.900	2.569	06
2	7	1.000	1.922	06
2	7	1.200	1.173	06
2	7	1.400	7.787	05
2	7	1.600	5.481	05
2	7	1.800	4.032	05
2	7	2.000	3.069	05
2	7	2.500	1.729	05
2	7	3.000	1.086	05
2	7	3.500	7.342	04
2	7	4.000	5.235	04
2	7	4.500	3.888	04
2	7	5.000	2.980	04
2	7	5.500	2.344	04
2	7	6.000	1.883	04
2	7	6.500	1.540	04
2	7	7.000	1.278	04
2	7	8.000	9.139	03
2	7	9.000	6.800	03
2	7	10.000	5.221	03
2	7	12.000	3.306	03
2	7	14.000	2.247	03
2	7	16.000	1.608	03
2	7	18.000	1.198	03
2	7	20.000	9.201	02
2	7	25.000	5.264	02
2	7	30.000	3.336	02
2	7	35.000	2.269	02

n'	n	α	S(α)	
2	7	40.000	1.625	02
2	7	45.000	1.210	02
2	7	50.000	9.298	01
2	7	60.000	5.894	01
2	7	70.000	4.009	01
2	7	80.000	2.871	01
2	7	90.000	2.139	01
2	7	100.000	1.643	01
2	7	110.000	1.295	01
2	7	120.000	1.042	01
2	7	130.000	8.528	00
2	7	140.000	7.085	00
2	7	150.000	5.963	00
2	7	160.000	5.074	00
2	7	170.000	4.361	00
2	7	180.000	3.780	00
2	7	190.000	3.302	00
2	7	200.000	2.905	00
2	7	210.000	2.571	00
2	7	220.000	2.289	00
2	7	230.000	2.048	00
2	7	240.000	1.841	00
2	8	0.005	7.158	07
2	8	0.010	1.346	08
2	8	0.015	1.353	08
2	8	0.020	1.408	08
2	8	0.025	1.592	08
2	8	0.030	1.795	08
2	8	0.035	1.940	08
2	8	0.040	2.013	08
2	8	0.050	1.986	08
2	8	0.060	1.848	08
2	8	0.070	1.705	08
2	8	0.080	1.592	08
2	8	0.090	1.509	08
2	8	0.100	1.450	08
2	8	0.110	1.408	08
2	8	0.120	1.370	08
2	8	0.130	1.334	08
2	8	0.140	1.299	08
2	8	0.150	1.261	08
2	8	0.160	1.222	08
2	8	0.170	1.181	08
2	8	0.180	1.139	08
2	8	0.190	1.096	08
2	8	0.200	1.052	08
2	8	0.220	9.632	07
2	8	0.240	8.758	07
2	8	0.260	7.916	07
2	8	0.280	7.125	07
2	8	0.300	6.388	07
2	8	0.350	4.808	07
2	8	0.400	3.589	07

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
2	8	0.450	2.682	07
2	8	0.500	2.018	07
2	8	0.600	1.191	07
2	8	0.700	7.573	06
2	8	0.800	5.130	06
2	8	0.900	3.646	06
2	8	1.000	2.699	06
2	8	1.200	1.622	06
2	8	1.400	1.064	06
2	8	1.600	7.432	05
2	8	1.800	5.436	05
2	8	2.000	4.120	05
2	8	2.500	2.305	05
2	8	3.000	1.441	05
2	8	3.500	9.713	04
2	8	4.000	6.912	04
2	8	4.500	5.126	04
2	8	5.000	3.925	04
2	8	5.500	3.085	04
2	8	6.000	2.476	04
2	8	6.500	2.024	04
2	8	7.000	1.679	04
2	8	8.000	1.200	04
2	8	9.000	8.923	03
2	8	10.000	6.848	03
2	8	12.000	4.334	03
2	8	14.000	2.945	03
2	8	16.000	2.107	03
2	8	18.000	1.569	03
2	8	20.000	1.205	03
2	8	25.000	6.893	02
2	8	30.000	4.368	02
2	8	35.000	2.970	02
2	8	40.000	2.127	02
2	8	45.000	1.584	02
2	8	50.000	1.217	02
2	8	60.000	7.715	01
2	8	70.000	5.247	01
2	8	80.000	3.757	01
2	8	90.000	2.799	01
2	8	100.000	2.151	01
2	8	110.000	1.695	01
2	8	120.000	1.363	01
2	8	130.000	1.116	01
2	8	140.000	9.273	00
2	8	150.000	7.804	00
2	8	160.000	6.641	00
2	8	170.000	5.707	00
2	8	180.000	4.947	00
2	8	190.000	4.321	00
2	8	200.000	3.801	00
2	8	210.000	3.365	00
2	8	220.000	2.995	00
2	8	230.000	2.680	00
2	8	240.000	2.410	00
2	9	0.005	2.247	07
2	9	0.010	4.459	07
2	9	0.015	5.169	07
2	9	0.020	6.144	07
2	9	0.025	7.405	07
2	9	0.030	8.581	07
2	9	0.035	9.502	07
2	9	0.040	1.018	08
2	9	0.050	1.109	08
2	9	0.060	1.176	08
2	9	0.070	1.234	08
2	9	0.080	1.278	08
2	9	0.090	1.308	08
2	9	0.100	1.320	08
2	9	0.110	1.317	08
2	9	0.120	1.302	08
2	9	0.130	1.279	08
2	9	0.140	1.252	08
2	9	0.150	1.222	08
2	9	0.160	1.191	08
2	9	0.170	1.159	08
2	9	0.180	1.127	08
2	9	0.190	1.095	08
2	9	0.200	1.062	08
2	9	0.220	9.998	07
2	9	0.240	9.387	07
2	9	0.260	8.766	07
2	9	0.280	8.151	07
2	9	0.300	7.553	07
2	9	0.350	6.163	07
2	9	0.400	4.943	07
2	9	0.450	3.924	07
2	9	0.500	3.103	07
2	9	0.600	1.958	07
2	9	0.700	1.266	07
2	9	0.800	8.550	06
2	9	0.900	6.057	06
2	9	1.000	4.451	06
2	9	1.200	2.629	06
2	9	1.400	1.702	06
2	9	1.600	1.177	06
2	9	1.800	8.548	05
2	9	2.000	6.442	05
2	9	2.500	3.570	05
2	9	3.000	2.219	05
2	9	3.500	1.491	05
2	9	4.000	1.058	05
2	9	4.500	7.831	04
2	9	5.000	5.988	04
2	9	5.500	4.701	04
2	9	6.000	3.770	04
2	9	6.500	3.079	04
2	9	7.000	2.553	04
2	9	8.000	1.823	04
2	9	9.000	1.355	04
2	9	10.000	1.039	04
2	9	12.000	6.572	03
2	9	14.000	4.463	03
2	9	16.000	3.193	03
2	9	18.000	2.377	03
2	9	20.000	1.825	03
2	9	25.000	1.044	03
2	9	30.000	6.613	02
2	9	35.000	4.496	02
2	9	40.000	3.219	02
2	9	45.000	2.397	02
2	9	50.000	1.842	02
2	9	60.000	1.167	02
2	9	70.000	7.940	01
2	9	80.000	5.686	01
2	9	90.000	4.235	01
2	9	100.000	3.254	01
2	9	110.000	2.564	01
2	9	120.000	2.063	01
2	9	130.000	1.689	01
2	9	140.000	1.403	01
2	9	150.000	1.181	01
2	9	160.000	1.005	01
2	9	170.000	8.635	00
2	9	180.000	7.485	00
2	9	190.000	6.539	00
2	9	200.000	5.752	00
2	9	210.000	5.091	00
2	9	220.000	4.532	00
2	9	230.000	4.056	00
2	9	240.000	3.646	00
2	10	0.005	6.079	07
2	10	0.010	1.004	08
2	10	0.015	8.528	07
2	10	0.020	7.949	07
2	10	0.025	8.810	07
2	10	0.030	1.017	08
2	10	0.035	1.144	08
2	10	0.040	1.240	08
2	10	0.050	1.324	08
2	10	0.060	1.298	08
2	10	0.070	1.225	08
2	10	0.080	1.149	08
2	10	0.090	1.088	08
2	10	0.100	1.042	08
2	10	0.110	1.010	08
2	10	0.120	9.893	07
2	10	0.130	9.757	07
2	10	0.140	9.628	07
2	10	0.150	9.512	07

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
2	10	0.160	9.394	07
2	10	0.170	9.267	07
2	10	0.180	9.131	07
2	10	0.190	8.983	07
2	10	0.200	8.825	07
2	10	0.220	8.487	07
2	10	0.240	8.126	07
2	10	0.260	7.750	07
2	10	0.280	7.362	07
2	10	0.300	6.970	07
2	10	0.350	6.010	07
2	10	0.400	5.114	07
2	10	0.450	4.297	07
2	10	0.500	3.584	07
2	10	0.600	2.449	07
2	10	0.700	1.674	07
2	10	0.800	1.164	07
2	10	0.900	8.273	06
2	10	1.000	6.065	06
2	10	1.200	3.560	06
2	10	1.400	2.276	06
2	10	1.600	1.557	06
2	10	1.800	1.121	06
2	10	2.000	8.392	05
2	10	2.500	4.598	05
2	10	3.000	2.839	05
2	10	3.500	1.898	05
2	10	4.000	1.343	05
2	10	4.500	9.915	04
2	10	5.000	7.568	04
2	10	5.500	5.933	04
2	10	6.000	4.754	04
2	10	6.500	3.878	04
2	10	7.000	3.214	04
2	10	8.000	2.292	04
2	10	9.000	1.702	04
2	10	10.000	1.305	04
2	10	12.000	8.245	03
2	10	14.000	5.596	03
2	10	16.000	4.002	03
2	10	18.000	2.978	03
2	10	20.000	2.286	03
2	10	25.000	1.307	03
2	10	30.000	8.279	02
2	10	35.000	5.628	02
2	10	40.000	4.029	02
2	10	45.000	3.001	02
2	10	50.000	2.305	02
2	10	60.000	1.461	02
2	10	70.000	9.936	01
2	10	80.000	7.115	01
2	10	90.000	5.300	01
2	10	100.000	4.072	01
2	10	110.000	3.209	01
2	10	120.000	2.581	01
2	10	130.000	2.113	01
2	10	140.000	1.756	01
2	10	150.000	1.477	01
2	10	160.000	1.257	01
2	10	170.000	1.080	01
2	10	180.000	9.365	00
2	10	190.000	8.181	00
2	10	200.000	7.197	00
2	10	210.000	6.370	00
2	10	220.000	5.671	00
2	10	230.000	5.074	00
2	10	240.000	4.562	00
2	11	0.005	1.718	07
2	11	0.010	2.966	07
2	11	0.015	2.902	07
2	11	0.020	3.193	07
2	11	0.025	3.890	07
2	11	0.030	4.698	07
2	11	0.035	5.455	07
2	11	0.040	6.098	07
2	11	0.050	7.033	07
2	11	0.060	7.637	07
2	11	0.070	8.078	07
2	11	0.080	8.438	07
2	11	0.090	8.722	07
2	11	0.100	8.929	07
2	11	0.110	9.067	07
2	11	0.120	9.129	07
2	11	0.130	9.124	07
2	11	0.140	9.071	07
2	11	0.150	8.983	07
2	11	0.160	8.875	07
2	11	0.170	8.754	07
2	11	0.180	8.625	07
2	11	0.190	8.498	07
2	11	0.200	8.365	07
2	11	0.220	8.096	07
2	11	0.240	7.826	07
2	11	0.260	7.563	07
2	11	0.280	7.302	07
2	11	0.300	7.027	07
2	11	0.350	6.320	07
2	11	0.400	5.618	07
2	11	0.450	4.933	07
2	11	0.500	4.290	07
2	11	0.600	3.182	07
2	11	0.700	2.325	07
2	11	0.800	1.691	07
2	11	0.900	1.240	07
2	11	1.000	9.238	06
2	11	1.200	5.407	06
2	11	1.400	3.450	06
2	11	1.600	2.337	06
2	11	1.800	1.667	06
2	11	2.000	1.238	06
2	11	2.500	6.693	05
2	11	3.000	4.097	05
2	11	3.500	2.724	05
2	11	4.000	1.920	05
2	11	4.500	1.414	05
2	11	5.000	1.077	05
2	11	5.500	8.426	04
2	11	6.000	6.742	04
2	11	6.500	5.495	04
2	11	7.000	4.549	04
2	11	8.000	3.240	04
2	11	9.000	2.403	04
2	11	10.000	1.841	04
2	11	12.000	1.162	04
2	11	14.000	7.883	03
2	11	16.000	5.634	03
2	11	18.000	4.191	03
2	11	20.000	3.217	03
2	11	25.000	1.838	03
2	11	30.000	1.164	03
2	11	35.000	7.912	02
2	11	40.000	5.664	02
2	11	45.000	4.218	02
2	11	50.000	3.240	02
2	11	60.000	2.053	02
2	11	70.000	1.396	02
2	11	80.000	9.998	01
2	11	90.000	7.447	01
2	11	100.000	5.722	01
2	11	110.000	4.508	01
2	11	120.000	3.627	01
2	11	130.000	2.969	01
2	11	140.000	2.467	01
2	11	150.000	2.076	01
2	11	160.000	1.766	01
2	11	170.000	1.518	01
2	11	180.000	1.316	01
2	11	190.000	1.149	01
2	11	200.000	1.011	01
2	11	210.000	8.950	00
2	11	220.000	7.967	00
2	11	230.000	7.129	00
2	11	240.000	6.409	00
2	12	0.005	5.243	07
2	12	0.010	8.018	07
2	12	0.015	6.016	07
2	12	0.020	4.985	07
2	12	0.025	5.270	07
2	12	0.030	6.080	07
2	12	0.035	6.999	07

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Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
2	12	0.040	7.834	07
2	12	0.050	8.956	07
2	12	0.060	9.311	07
2	12	0.070	9.132	07
2	12	0.080	8.708	07
2	12	0.090	8.249	07
2	12	0.100	7.865	07
2	12	0.110	7.569	07
2	12	0.120	7.355	07
2	12	0.130	7.207	07
2	12	0.140	7.114	07
2	12	0.150	7.063	07
2	12	0.160	7.013	07
2	12	0.170	6.969	07
2	12	0.180	6.927	07
2	12	0.190	6.882	07
2	12	0.200	6.832	07
2	12	0.220	6.715	07
2	12	0.240	6.576	07
2	12	0.260	6.422	07
2	12	0.280	6.258	07
2	12	0.300	6.085	07
2	12	0.350	5.623	07
2	12	0.400	5.144	07
2	12	0.450	4.670	07
2	12	0.500	4.202	07
2	12	0.600	3.335	07
2	12	0.700	2.589	07
2	12	0.800	1.988	07
2	12	0.900	1.521	07
2	12	1.000	1.165	07
2	12	1.200	7.046	06
2	12	1.400	4.477	06
2	12	1.600	3.032	06
2	12	1.800	2.149	06
2	12	2.000	1.585	06
2	12	2.500	8.441	05
2	12	3.000	5.117	05
2	12	3.500	3.379	05
2	12	4.000	2.371	05
2	12	4.500	1.740	05
2	12	5.000	1.322	05
2	12	5.500	1.032	05
2	12	6.000	8.246	04
2	12	6.500	6.712	04
2	12	7.000	5.551	04
2	12	8.000	3.947	04
2	12	9.000	2.925	04
2	12	10.000	2.238	04
2	12	12.000	1.411	04
2	12	14.000	9.563	03
2	12	16.000	6.832	03
2	12	18.000	5.080	03
2	12	20.000	3.898	03
2	12	25.000	2.226	03
2	12	30.000	1.409	03
2	12	35.000	9.577	02
2	12	40.000	6.854	02
2	12	45.000	5.103	02
2	12	50.000	3.920	02
2	12	60.000	2.484	02
2	12	70.000	1.689	02
2	12	80.000	1.209	02
2	12	90.000	9.008	01
2	12	100.000	6.921	01
2	12	110.000	5.453	01
2	12	120.000	4.387	01
2	12	130.000	3.591	01
2	12	140.000	2.983	01
2	12	150.000	2.511	01
2	12	160.000	2.136	01
2	12	170.000	1.836	01
2	12	180.000	1.591	01
2	12	190.000	1.390	01
2	12	200.000	1.223	01
2	12	210.000	1.082	01
2	12	220.000	9.636	00
2	12	230.000	8.622	00
2	12	240.000	7.752	00
2	13	0.005	1.410	07
2	13	0.010	2.226	07
2	13	0.015	1.887	07
2	13	0.020	1.868	07
2	13	0.025	2.220	07
2	13	0.030	2.719	07
2	13	0.035	3.247	07
2	13	0.040	3.745	07
2	13	0.050	4.566	07
2	13	0.060	5.144	07
2	13	0.070	5.546	07
2	13	0.080	5.844	07
2	13	0.090	6.083	07
2	13	0.100	6.275	07
2	13	0.110	6.425	07
2	13	0.120	6.533	07
2	13	0.130	6.607	07
2	13	0.140	6.645	07
2	13	0.150	6.649	07
2	13	0.160	6.628	07
2	13	0.170	6.591	07
2	13	0.180	6.543	07
2	13	0.190	6.487	07
2	13	0.200	6.426	07
2	13	0.220	6.304	07
2	13	0.240	6.178	07
2	13	0.260	5.970	07
2	13	0.280	5.924	07
2	13	0.300	5.801	07
2	13	0.350	5.483	07
2	13	0.400	5.133	07
2	13	0.450	4.773	07
2	13	0.500	4.404	07
2	13	0.600	3.679	07
2	13	0.700	3.015	07
2	13	0.800	2.434	07
2	13	0.900	1.943	07
2	13	1.000	1.545	07
2	13	1.200	9.813	06
2	13	1.400	6.395	06
2	13	1.600	4.325	06
2	13	1.800	3.059	06
2	13	2.000	2.251	06
2	13	2.500	1.182	06
2	13	3.000	7.088	05
2	13	3.500	4.645	05
2	13	4.000	3.241	05
2	13	4.500	2.369	05
2	13	5.000	1.794	05
2	13	5.500	1.398	05
2	13	6.000	1.115	05
2	13	6.500	9.059	04
2	13	7.000	7.482	04
2	13	8.000	5.309	04
2	13	9.000	3.929	04
2	13	10.000	3.004	04
2	13	12.000	1.891	04
2	13	14.000	1.280	04
2	13	16.000	9.138	03
2	13	18.000	6.791	03
2	13	20.000	5.209	03
2	13	25.000	2.973	03
2	13	30.000	1.882	03
2	13	35.000	1.278	03
2	13	40.000	9.147	02
2	13	45.000	6.810	02
2	13	50.000	5.231	02
2	13	60.000	3.314	02
2	13	70.000	2.253	02
2	13	80.000	1.613	02
2	13	90.000	1.201	02
2	13	100.000	9.231	01
2	13	110.000	7.273	01
2	13	120.000	5.851	01
2	13	130.000	4.789	01
2	13	140.000	3.979	01
2	13	150.000	3.348	01
2	13	160.000	2.849	01
2	13	170.000	2.449	01
2	13	180.000	2.122	01
2	13	190.000	1.854	01
2	13	200.000	1.631	01

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
2	13	210.000	1.444	01
2	13	220.000	1.285	01
2	13	230.000	1.150	01
2	13	240.000	1.034	01
2	14	0.005	4.597	07
2	14	0.010	6.701	07
2	14	0.015	4.606	07
2	14	0.020	3.423	07
2	14	0.025	3.391	07
2	14	0.030	3.845	07
2	14	0.035	4.463	07
2	14	0.040	5.096	07
2	14	0.050	6.135	07
2	14	0.060	6.723	07
2	14	0.070	6.888	07
2	14	0.080	6.766	07
2	14	0.090	6.503	07
2	14	0.100	6.207	07
2	14	0.110	5.942	07
2	14	0.120	5.736	07
2	14	0.130	5.577	07
2	14	0.140	5.462	07
2	14	0.150	5.384	07
2	14	0.160	5.337	07
2	14	0.170	5.314	07
2	14	0.180	5.294	07
2	14	0.190	5.276	07
2	14	0.200	5.260	07
2	14	0.220	5.225	07
2	14	0.240	5.179	07
2	14	0.260	5.120	07
2	14	0.280	5.050	07
2	14	0.300	4.974	07
2	14	0.350	4.762	07
2	14	0.400	4.524	07
2	14	0.450	4.272	07
2	14	0.500	4.017	07
2	14	0.600	3.495	07
2	14	0.700	2.987	07
2	14	0.800	2.512	07
2	14	0.900	2.090	07
2	14	1.000	1.725	07
2	14	1.200	1.161	07
2	14	1.400	7.856	06
2	14	1.600	5.419	06
2	14	1.800	3.846	06
2	14	2.000	2.818	06
2	14	2.500	1.471	06
2	14	3.000	8.725	05
2	14	3.500	5.670	05
2	14	4.000	3.932	05
2	14	4.500	2.860	05
2	14	5.000	2.159	05
2	14	5.500	1.678	05
2	14	6.000	1.335	05
2	14	6.500	1.083	05
2	14	7.000	8.930	04
2	14	8.000	6.323	04
2	14	9.000	4.671	04
2	14	10.000	3.567	04
2	14	12.000	2.241	04
2	14	14.000	1.516	04
2	14	16.000	1.081	04
2	14	18.000	8.030	03
2	14	20.000	6.157	03
2	14	25.000	3.512	03
2	14	30.000	2.221	03
2	14	35.000	1.509	03
2	14	40.000	1.079	03
2	14	45.000	8.035	02
2	14	50.000	6.171	02
2	14	60.000	3.909	02
2	14	70.000	2.657	02
2	14	80.000	1.902	02
2	14	90.000	1.417	02
2	14	100.000	1.089	02
2	14	110.000	8.576	01
2	14	120.000	6.899	01
2	14	130.000	5.647	01
2	14	140.000	4.692	01
2	14	150.000	3.948	01
2	14	160.000	3.360	01
2	14	170.000	2.887	01
2	14	180.000	2.502	01
2	14	190.000	2.186	01
2	14	200.000	1.923	01
2	14	210.000	1.702	01
2	14	220.000	1.515	01
2	14	230.000	1.356	01
2	14	240.000	1.219	01
2	15	0.005	1.203	07
2	15	0.010	1.795	07
2	15	0.015	1.363	07
2	15	0.020	1.206	07
2	15	0.025	1.367	07
2	15	0.030	1.668	07
2	15	0.035	2.020	07
2	15	0.040	2.378	07
2	15	0.050	3.029	07
2	15	0.060	3.543	07
2	15	0.070	3.920	07
2	15	0.080	4.196	07
2	15	0.090	4.405	07
2	15	0.100	4.571	07
2	15	0.110	4.709	07
2	15	0.120	4.820	07
2	15	0.130	4.905	07
2	15	0.140	4.969	07
2	15	0.150	5.012	07
2	15	0.160	5.037	07
2	15	0.170	5.043	07
2	15	0.180	5.036	07
2	15	0.190	5.018	07
2	15	0.200	4.995	07
2	15	0.220	4.935	07
2	15	0.240	4.870	07
2	15	0.260	4.804	07
2	15	0.280	4.737	07
2	15	0.300	4.671	07
2	15	0.350	4.513	07
2	15	0.400	4.347	07
2	15	0.450	4.162	07
2	15	0.500	3.969	07
2	15	0.600	3.559	07
2	15	0.700	3.140	07
2	15	0.800	2.736	07
2	15	0.900	2.356	07
2	15	1.000	2.009	07
2	15	1.200	1.435	07
2	15	1.400	1.015	07
2	15	1.600	7.222	06
2	15	1.800	5.215	06
2	15	2.000	3.846	06
2	15	2.500	1.997	06
2	15	3.000	1.175	06
2	15	3.500	7.571	05
2	15	4.000	5.215	05
2	15	4.500	3.774	05
2	15	5.000	2.837	05
2	15	5.500	2.197	05
2	15	6.000	1.744	05
2	15	6.500	1.412	05
2	15	7.000	1.162	05
2	15	8.000	8.209	04
2	15	9.000	6.053	04
2	15	10.000	4.615	04
2	15	12.000	2.894	04
2	15	14.000	1.955	04
2	15	16.000	1.393	04
2	15	18.000	1.034	04
2	15	20.000	7.924	03
2	15	25.000	4.515	03
2	15	30.000	2.855	03
2	15	35.000	1.938	03
2	15	40.000	1.386	03
2	15	45.000	1.032	03
2	15	50.000	7.924	02
2	15	60.000	5.018	02
2	15	70.000	3.411	02
2	15	80.000	2.442	02

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
2	15	90.000	1.819	02
2	15	100.000	1.397	02
2	15	110.000	1.101	02
2	15	120.000	8.854	01
2	15	130.000	7.247	01
2	15	140.000	6.021	01
2	15	150.000	5.067	01
2	15	160.000	4.311	01
2	15	170.000	3.705	01
2	15	180.000	3.211	01
2	15	190.000	2.805	01
2	15	200.000	2.467	01
2	15	210.000	2.184	01
2	15	220.000	1.944	01
2	15	230.000	1.740	01
2	15	240.000	1.564	01
2	16	0.005	4.084	07
2	16	0.010	5.771	07
2	16	0.015	3.732	07
2	16	0.020	2.527	07
2	16	0.025	2.329	07
2	16	0.030	2.562	07
2	16	0.035	2.965	07
2	16	0.040	3.420	07
2	16	0.050	4.271	07
2	16	0.060	4.885	07
2	16	0.070	5.213	07
2	16	0.080	5.295	07
2	16	0.090	5.211	07
2	16	0.100	5.038	07
2	16	0.110	4.838	07
2	16	0.120	4.650	07
2	16	0.130	4.496	07
2	16	0.140	4.374	07
2	16	0.150	4.281	07
2	16	0.160	4.213	07
2	16	0.170	4.168	07
2	16	0.180	4.140	07
2	16	0.190	4.129	07
2	16	0.200	4.121	07
2	16	0.220	4.108	07
2	16	0.240	4.095	07
2	16	0.260	4.077	07
2	16	0.280	4.052	07
2	16	0.300	4.020	07
2	16	0.350	3.919	07
2	16	0.400	3.803	07
2	16	0.450	3.672	07
2	16	0.500	3.533	07
2	16	0.600	3.242	07
2	16	0.700	2.935	07
2	16	0.800	2.627	07
2	16	0.900	2.325	07
2	16	1.000	2.040	07
2	16	1.200	1.538	07
2	16	1.400	1.140	07
2	16	1.600	8.406	06
2	16	1.800	6.224	06
2	16	2.000	4.664	06
2	16	2.500	2.436	06
2	16	3.000	1.430	06
2	16	3.500	9.144	05
2	16	4.000	6.254	05
2	16	4.500	4.501	05
2	16	5.000	3.368	05
2	16	5.500	2.600	05
2	16	6.000	2.057	05
2	16	6.500	1.662	05
2	16	7.000	1.366	05
2	16	8.000	9.614	04
2	16	9.000	7.074	04
2	16	10.000	5.385	04
2	16	12.000	3.369	04
2	16	14.000	2.272	04
2	16	16.000	1.617	04
2	16	18.000	1.200	04
2	16	20.000	9.188	03
2	16	25.000	5.231	03
2	16	30.000	3.305	03
2	16	35.000	2.243	03
2	16	40.000	1.604	03
2	16	45.000	1.194	03
2	16	50.000	9.165	02
2	16	60.000	5.803	02
2	16	70.000	3.944	02
2	16	80.000	2.823	02
2	16	90.000	2.102	02
2	16	100.000	1.615	02
2	16	110.000	1.272	02
2	16	120.000	1.023	02
2	16	130.000	8.377	01
2	16	140.000	6.960	01
2	16	150.000	5.856	01
2	16	160.000	4.983	01
2	16	170.000	4.282	01
2	16	180.000	3.712	01
2	16	190.000	3.242	01
2	16	200.000	2.852	01
2	16	210.000	2.524	01
2	16	220.000	2.247	01
2	16	230.000	2.011	01
2	16	240.000	1.808	01
2	17	0.005	1.051	07
2	17	0.010	1.511	07
2	17	0.015	1.058	07
2	17	0.020	8.434	06
2	17	0.025	9.013	06
2	17	0.030	1.081	07
2	17	0.035	1.314	07
2	17	0.040	1.565	07
2	17	0.050	2.059	07
2	17	0.060	2.486	07
2	17	0.070	2.826	07
2	17	0.080	3.084	07
2	17	0.090	3.280	07
2	17	0.100	3.431	07
2	17	0.110	3.553	07
2	17	0.120	3.654	07
2	17	0.130	3.738	07
2	17	0.140	3.806	07
2	17	0.150	3.859	07
2	17	0.160	3.898	07
2	17	0.170	3.926	07
2	17	0.180	3.943	07
2	17	0.190	3.949	07
2	17	0.200	3.947	07
2	17	0.220	3.926	07
2	17	0.240	3.893	07
2	17	0.260	3.854	07
2	17	0.280	3.817	07
2	17	0.300	3.779	07
2	17	0.350	3.686	07
2	17	0.400	3.601	07
2	17	0.450	3.509	07
2	17	0.500	3.405	07
2	17	0.600	3.180	07
2	17	0.700	2.935	07
2	17	0.800	2.683	07
2	17	0.900	2.430	07
2	17	1.000	2.183	07
2	17	1.200	1.724	07
2	17	1.400	1.336	07
2	17	1.600	1.022	07
2	17	1.800	7.801	06
2	17	2.000	5.971	06
2	17	2.500	3.200	06
2	17	3.000	1.871	06
2	17	3.500	1.195	06
2	17	4.000	8.118	05
2	17	4.500	5.809	05
2	17	5.000	4.326	05
2	17	5.500	3.326	05
2	17	6.000	2.624	05
2	17	6.500	2.114	05
2	17	7.000	1.733	05
2	17	8.000	1.216	05
2	17	9.000	8.926	04
2	17	10.000	6.782	04
2	17	12.000	4.232	04
2	17	14.000	2.849	04

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
2	17	16.000	2.026	04
2	17	18.000	1.501	04
2	17	20.000	1.149	04
2	17	25.000	6.535	03
2	17	30.000	4.126	03
2	17	35.000	2.800	03
2	17	40.000	2.001	03
2	17	45.000	1.489	03
2	17	50.000	1.143	03
2	17	60.000	7.236	02
2	17	70.000	4.917	02
2	17	80.000	3.519	02
2	17	90.000	2.620	02
2	17	100.000	2.013	02
2	17	110.000	1.586	02
2	17	120.000	1.275	02
2	17	130.000	1.044	02
2	17	140.000	8.673	01
2	17	150.000	7.298	01
2	17	160.000	6.210	01
2	17	170.000	5.336	01
2	17	180.000	4.625	01
2	17	190.000	4.040	01
2	17	200.000	3.554	01
2	17	210.000	3.145	01
2	17	220.000	2.800	01
2	17	230.000	2.505	01
2	17	240.000	2.252	01
2	18	0.005	3.670	07
2	18	0.010	5.079	07
2	18	0.015	3.146	07
2	18	0.020	1.974	07
2	18	0.025	1.693	07
2	18	0.030	1.791	07
2	18	0.035	2.048	07
2	18	0.040	2.369	07
2	18	0.050	3.030	07
2	18	0.060	3.583	07
2	18	0.070	3.959	07
2	18	0.080	4.152	07
2	18	0.090	4.196	07
2	18	0.100	4.136	07
2	18	0.110	4.017	07
2	18	0.120	3.877	07
2	18	0.130	3.740	07
2	18	0.140	3.620	07
2	18	0.150	3.525	07
2	18	0.160	3.449	07
2	18	0.170	3.390	07
2	18	0.180	3.348	07
2	18	0.190	3.319	07
2	18	0.200	3.302	07
2	18	0.220	3.292	07
2	18	0.240	3.287	07
2	18	0.260	3.283	07
2	18	0.280	3.277	07
2	18	0.300	3.267	07
2	18	0.350	3.224	07
2	18	0.400	3.164	07
2	18	0.450	3.096	07
2	18	0.500	3.020	07
2	18	0.600	2.853	07
2	18	0.700	2.676	07
2	18	0.800	2.488	07
2	18	0.900	2.294	07
2	18	1.000	2.099	07
2	18	1.200	1.725	07
2	18	1.400	1.389	07
2	18	1.600	1.102	07
2	18	1.800	8.677	06
2	18	2.000	6.814	06
2	18	2.500	3.795	06
2	18	3.000	2.240	06
2	18	3.500	1.424	06
2	18	4.000	9.653	05
2	18	4.500	6.869	05
2	18	5.000	5.091	05
2	18	5.500	3.898	05
2	18	6.000	3.065	05
2	18	6.500	2.462	05
2	18	7.000	2.014	05
2	18	8.000	1.408	05
2	18	9.000	1.030	05
2	18	10.000	7.812	04
2	18	12.000	4.860	04
2	18	14.000	3.266	04
2	18	16.000	2.319	04
2	18	18.000	1.717	04
2	18	20.000	1.313	04
2	18	25.000	7.459	03
2	18	30.000	4.706	03
2	18	35.000	3.191	03
2	18	40.000	2.281	03
2	18	45.000	1.696	03
2	18	50.000	1.302	03
2	18	60.000	8.240	02
2	18	70.000	5.599	02
2	18	80.000	4.007	02
2	18	90.000	2.983	02
2	18	100.000	2.291	02
2	18	110.000	1.805	02
2	18	120.000	1.452	02
2	18	130.000	1.188	02
2	18	140.000	9.871	01
2	18	150.000	8.306	01
2	18	160.000	7.068	01
2	18	170.000	6.073	01
2	18	180.000	5.264	01
2	18	190.000	4.598	01
2	18	200.000	4.044	01
2	18	210.000	3.580	01
2	18	220.000	3.186	01
2	18	230.000	2.851	01
2	18	240.000	2.563	01
3	4	0.005	9.999	04
3	4	0.010	3.980	05
3	4	0.015	8.882	05
3	4	0.020	1.561	06
3	4	0.025	2.404	06
3	4	0.030	3.402	06
3	4	0.035	4.536	06
3	4	0.040	5.787	06
3	4	0.050	8.560	06
3	4	0.060	1.156	07
3	4	0.070	1.463	07
3	4	0.080	1.764	07
3	4	0.090	2.052	07
3	4	0.100	2.318	07
3	4	0.110	2.561	07
3	4	0.120	2.780	07
3	4	0.130	2.976	07
3	4	0.140	3.149	07
3	4	0.150	3.304	07
3	4	0.160	3.440	07
3	4	0.170	3.560	07
3	4	0.180	3.665	07
3	4	0.190	3.755	07
3	4	0.200	3.833	07
3	4	0.220	3.951	07
3	4	0.240	4.021	07
3	4	0.260	4.049	07
3	4	0.280	4.042	07
3	4	0.300	4.010	07
3	4	0.350	3.848	07
3	4	0.400	3.626	07
3	4	0.450	3.386	07
3	4	0.500	3.134	07
3	4	0.600	2.636	07
3	4	0.700	2.167	07
3	4	0.800	1.743	07
3	4	0.900	1.388	07
3	4	1.000	1.099	07
3	4	1.200	6.932	06
3	4	1.400	4.508	06
3	4	1.600	3.065	06
3	4	1.800	2.169	06
3	4	2.000	1.597	06
3	4	2.500	8.398	05
3	4	3.000	5.037	05
3	4	3.500	3.300	05

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
3	5	0.100	3.142	07
3	5	0.110	3.496	07
3	5	0.120	3.848	07
3	5	0.130	4.192	07
3	5	0.140	4.522	07
3	5	0.150	4.833	07
3	5	0.160	5.119	07
3	5	0.170	5.380	07
3	5	0.180	5.616	07
3	5	0.190	5.827	07
3	5	0.200	6.012	07
3	5	0.220	6.311	07
3	5	0.240	6.523	07
3	5	0.260	6.656	07
3	5	0.280	6.720	07
3	5	0.300	6.727	07
3	5	0.350	6.534	07
3	5	0.400	6.148	07
3	5	0.450	5.670	07
3	5	0.500	5.159	07
3	5	0.600	4.160	07
3	5	0.700	3.310	07
3	5	0.800	2.618	07
3	5	0.900	2.064	07
3	5	1.000	1.635	07
3	5	1.200	1.039	07
3	5	1.400	6.825	06
3	5	1.600	4.647	06
3	5	1.800	3.299	06
3	5	2.000	2.428	06
3	5	2.500	1.279	06
3	5	3.000	7.675	05
3	5	3.500	5.030	05
3	5	4.000	3.509	05
3	5	4.500	2.565	05
3	5	5.000	1.943	05
3	5	5.500	1.514	05
3	5	6.000	1.207	05
3	5	6.500	9.808	04
3	5	7.000	8.101	04
3	5	8.000	5.748	04
3	5	9.000	4.254	04
3	5	10.000	3.252	04
3	5	12.000	2.047	04
3	5	14.000	1.386	04
3	5	16.000	9.894	03
3	5	18.000	7.353	03
3	5	20.000	5.640	03
3	5	25.000	3.219	03
3	5	30.000	2.037	03
3	5	35.000	1.384	03
3	5	40.000	9.904	02
3	5	45.000	7.373	02
3	5	50.000	5.663	02

n'	n	α	S(α)	
3	4	4.000	2.302	05
3	4	4.500	1.682	05
3	4	5.000	1.274	05
3	4	5.500	9.924	04
3	4	6.000	7.912	04
3	4	6.500	6.430	04
3	4	7.000	5.310	04
3	4	8.000	3.768	04
3	4	9.000	2.788	04
3	4	10.000	2.131	04
3	4	12.000	1.341	04
3	4	14.000	9.082	03
3	4	16.000	6.483	03
3	4	18.000	4.818	03
3	4	20.000	3.696	03
3	4	25.000	2.109	03
3	4	30.000	1.335	03
3	4	35.000	9.068	02
3	4	40.000	6.489	02
3	4	45.000	4.831	02
3	4	50.000	3.710	02
3	4	60.000	2.351	02
3	4	70.000	1.598	02
3	4	80.000	1.144	02
3	4	90.000	8.522	01
3	4	100.000	6.548	01
3	4	110.000	5.159	01
3	4	120.000	4.150	01
3	4	130.000	3.397	01
3	4	140.000	2.822	01
3	4	150.000	2.375	01
3	4	160.000	2.021	01
3	4	170.000	1.737	01
3	4	180.000	1.506	01
3	4	190.000	1.315	01
3	4	200.000	1.157	01
3	4	210.000	1.024	01
3	4	220.000	9.115	00
3	4	230.000	8.156	00
3	4	240.000	7.333	00
3	5	0.005	2.720	05
3	5	0.010	1.063	06
3	5	0.015	2.304	06
3	5	0.020	3.893	06
3	5	0.025	5.712	06
3	5	0.030	7.649	06
3	5	0.035	9.608	06
3	5	0.040	1.152	07
3	5	0.050	1.509	07
3	5	0.060	1.833	07
3	5	0.070	2.145	07
3	5	0.080	2.462	07
3	5	0.090	2.795	07

n'	n	α	S(α)	
3	5	60.000	3.588	02
3	5	70.000	2.440	02
3	5	80.000	1.747	02
3	5	90.000	1.301	02
3	5	100.000	9.995	01
3	5	110.000	7.875	01
3	5	120.000	6.334	01
3	5	130.000	5.185	01
3	5	140.000	4.308	01
3	5	150.000	3.625	01
3	5	160.000	3.085	01
3	5	170.000	2.651	01
3	5	180.000	2.298	01
3	5	190.000	2.007	01
3	5	200.000	1.766	01
3	5	210.000	1.563	01
3	5	220.000	1.391	01
3	5	230.000	1.245	01
3	5	240.000	1.119	01
3	6	0.005	2.659	05
3	6	0.010	1.056	06
3	6	0.015	2.350	06
3	6	0.020	4.112	06
3	6	0.025	6.295	06
3	6	0.030	8.843	06
3	6	0.035	1.169	07
3	6	0.040	1.477	07
3	6	0.050	2.132	07
3	6	0.060	2.793	07
3	6	0.070	3.409	07
3	6	0.080	3.941	07
3	6	0.090	4.363	07
3	6	0.100	4.667	07
3	6	0.110	4.854	07
3	6	0.120	4.937	07
3	6	0.130	4.935	07
3	6	0.140	4.866	07
3	6	0.150	4.753	07
3	6	0.160	4.613	07
3	6	0.170	4.462	07
3	6	0.180	4.311	07
3	6	0.190	4.168	07
3	6	0.200	4.039	07
3	6	0.220	3.836	07
3	6	0.240	3.692	07
3	6	0.260	3.602	07
3	6	0.280	3.558	07
3	6	0.300	3.552	07
3	6	0.350	3.618	07
3	6	0.400	3.707	07
3	6	0.450	3.779	07
3	6	0.500	3.808	07
3	6	0.600	3.719	07

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
3	6	0.700	3.465	07
3	6	0.800	3.109	07
3	6	0.900	2.717	07
3	6	1.000	2.331	07
3	6	1.200	1.662	07
3	6	1.400	1.169	07
3	6	1.600	8.276	06
3	6	1.800	5.948	06
3	6	2.000	4.383	06
3	6	2.500	2.271	06
3	6	3.000	1.335	06
3	6	3.500	8.592	05
3	6	4.000	5.914	05
3	6	4.500	4.278	05
3	6	5.000	3.214	05
3	6	5.500	2.489	05
3	6	6.000	1.975	05
3	6	6.500	1.598	05
3	6	7.000	1.316	05
3	6	8.000	9.289	04
3	6	9.000	6.848	04
3	6	10.000	5.220	04
3	6	12.000	3.273	04
3	6	14.000	2.210	04
3	6	16.000	1.575	04
3	6	18.000	1.169	04
3	6	20.000	8.957	03
3	6	25.000	5.104	03
3	6	30.000	3.227	03
3	6	35.000	2.191	03
3	6	40.000	1.567	03
3	6	45.000	1.166	03
3	6	50.000	8.955	02
3	6	60.000	5.671	02
3	6	70.000	3.855	02
3	6	80.000	2.760	02
3	6	90.000	2.055	02
3	6	100.000	1.579	02
3	6	110.000	1.244	02
3	6	120.000	1.001	02
3	6	130.000	8.190	01
3	6	140.000	6.804	01
3	6	150.000	5.726	01
3	6	160.000	4.872	01
3	6	170.000	4.187	01
3	6	180.000	3.629	01
3	6	190.000	3.170	01
3	6	200.000	2.788	01
3	6	210.000	2.468	01
3	6	220.000	2.197	01
3	6	230.000	1.966	01
3	6	240.000	1.767	01
3	7	0.005	6.389	05
3	7	0.010	2.393	06
3	7	0.015	4.849	06
3	7	0.020	7.527	06
3	7	0.025	1.005	07
3	7	0.030	1.224	07
3	7	0.035	1.410	07
3	7	0.040	1.573	07
3	7	0.050	1.879	07
3	7	0.060	2.195	07
3	7	0.070	2.516	07
3	7	0.080	2.817	07
3	7	0.090	3.084	07
3	7	0.100	3.304	07
3	7	0.110	3.482	07
3	7	0.120	3.625	07
3	7	0.130	3.741	07
3	7	0.140	3.838	07
3	7	0.150	3.923	07
3	7	0.160	3.999	07
3	7	0.170	4.068	07
3	7	0.180	4.133	07
3	7	0.190	4.190	07
3	7	0.200	4.239	07
3	7	0.220	4.313	07
3	7	0.240	4.353	07
3	7	0.260	4.362	07
3	7	0.280	4.339	07
3	7	0.300	4.288	07
3	7	0.350	4.086	07
3	7	0.400	3.842	07
3	7	0.450	3.606	07
3	7	0.500	3.387	07
3	7	0.600	3.032	07
3	7	0.700	2.762	07
3	7	0.800	2.526	07
3	7	0.900	2.311	07
3	7	1.000	2.104	07
3	7	1.200	1.699	07
3	7	1.400	1.334	07
3	7	1.600	1.026	07
3	7	1.800	7.837	06
3	7	2.000	5.991	06
3	7	2.500	3.200	06
3	7	3.000	1.870	06
3	7	3.500	1.192	06
3	7	4.000	8.096	05
3	7	4.500	5.791	05
3	7	5.000	4.312	05
3	7	5.500	3.315	05
3	7	6.000	2.615	05
3	7	6.500	2.106	05
3	7	7.000	1.727	05
3	7	8.000	1.211	05
3	7	9.000	8.890	04
3	7	10.000	6.754	04
3	7	12.000	4.215	04
3	7	14.000	2.837	04
3	7	16.000	2.017	04
3	7	18.000	1.495	04
3	7	20.000	1.144	04
3	7	25.000	6.506	03
3	7	30.000	4.108	03
3	7	35.000	2.787	03
3	7	40.000	1.992	03
3	7	45.000	1.482	03
3	7	50.000	1.138	03
3	7	60.000	7.203	02
3	7	70.000	4.895	02
3	7	80.000	3.503	02
3	7	90.000	2.609	02
3	7	100.000	2.004	02
3	7	110.000	1.579	02
3	7	120.000	1.270	02
3	7	130.000	1.039	02
3	7	140.000	8.633	01
3	7	150.000	7.265	01
3	7	160.000	6.182	01
3	7	170.000	5.312	01
3	7	180.000	4.604	01
3	7	190.000	4.022	01
3	7	200.000	3.538	01
3	7	210.000	3.131	01
3	7	220.000	2.787	01
3	7	230.000	2.494	01
3	7	240.000	2.242	01
3	8	0.005	1.684	05
3	8	0.010	6.644	05
3	8	0.015	1.461	06
3	8	0.020	2.519	06
3	8	0.025	3.786	06
3	8	0.030	5.209	06
3	8	0.035	6.734	06
3	8	0.040	8.311	06
3	8	0.050	1.146	07
3	8	0.060	1.443	07
3	8	0.070	1.710	07
3	8	0.080	1.942	07
3	8	0.090	2.141	07
3	8	0.100	2.307	07
3	8	0.110	2.441	07
3	8	0.120	2.544	07
3	8	0.130	2.620	07
3	8	0.140	2.671	07
3	8	0.150	2.701	07
3	8	0.160	2.715	07
3	8	0.170	2.713	07
3	8	0.180	2.701	07

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
3	8	0.190	2.682	07
3	8	0.200	2.659	07
3	8	0.220	2.610	07
3	8	0.240	2.570	07
3	8	0.260	2.544	07
3	8	0.280	2.536	07
3	8	0.300	2.540	07
3	8	0.350	2.589	07
3	8	0.400	2.670	07
3	8	0.450	2.738	07
3	8	0.500	2.782	07
3	8	0.600	2.787	07
3	8	0.700	2.703	07
3	8	0.800	2.567	07
3	8	0.900	2.407	07
3	8	1.000	2.236	07
3	8	1.200	1.903	07
3	8	1.400	1.596	07
3	8	1.600	1.319	07
3	8	1.800	1.079	07
3	8	2.000	8.752	06
3	8	2.500	5.139	06
3	8	3.000	3.096	06
3	8	3.500	1.970	06
3	8	4.000	1.332	06
3	8	4.500	9.436	05
3	8	5.000	6.956	05
3	8	5.500	5.300	05
3	8	6.000	4.149	05
3	8	6.500	3.321	05
3	8	7.000	2.709	05
3	8	8.000	1.885	05
3	8	9.000	1.374	05
3	8	10.000	1.039	05
3	8	12.000	6.443	04
3	8	14.000	4.319	04
3	8	16.000	3.061	04
3	8	18.000	2.264	04
3	8	20.000	1.730	04
3	8	25.000	9.809	03
3	8	30.000	6.183	03
3	8	35.000	4.190	03
3	8	40.000	2.993	03
3	8	45.000	2.226	03
3	8	50.000	1.708	03
3	8	60.000	1.081	03
3	8	70.000	7.340	02
3	8	80.000	5.252	02
3	8	90.000	3.910	02
3	8	100.000	3.003	02
3	8	110.000	2.365	02
3	8	120.000	1.902	02
3	8	130.000	1.557	02
3	8	140.000	1.293	02
3	8	150.000	1.088	02
3	8	160.000	9.260	01
3	8	170.000	7.957	01
3	8	180.000	6.897	01
3	8	190.000	6.024	01
3	8	200.000	5.299	01
3	8	210.000	4.690	01
3	8	220.000	4.175	01
3	8	230.000	3.735	01
3	8	240.000	3.358	01
3	9	0.005	2.325	05
3	9	0.010	9.180	05
3	9	0.015	2.022	06
3	9	0.020	3.491	06
3	9	0.025	5.253	06
3	9	0.030	7.230	06
3	9	0.035	9.334	06
3	9	0.040	1.148	07
3	9	0.050	1.561	07
3	9	0.060	1.914	07
3	9	0.070	2.180	07
3	9	0.080	2.356	07
3	9	0.090	2.455	07
3	9	0.100	2.498	07
3	9	0.110	2.508	07
3	9	0.120	2.502	07
3	9	0.130	2.495	07
3	9	0.140	2.494	07
3	9	0.150	2.505	07
3	9	0.160	2.524	07
3	9	0.170	2.550	07
3	9	0.180	2.581	07
3	9	0.190	2.615	07
3	9	0.200	2.651	07
3	9	0.220	2.721	07
3	9	0.240	2.775	07
3	9	0.260	2.806	07
3	9	0.280	2.817	07
3	9	0.300	2.810	07
3	9	0.350	2.735	07
3	9	0.400	2.621	07
3	9	0.450	2.507	07
3	9	0.500	2.405	07
3	9	0.600	2.242	07
3	9	0.700	2.135	07
3	9	0.800	2.046	07
3	9	0.900	1.964	07
3	9	1.000	1.880	07
3	9	1.200	1.701	07
3	9	1.400	1.508	07
3	9	1.600	1.315	07
3	9	1.800	1.133	07
3	9	2.000	9.666	06
3	9	2.500	6.334	06
3	9	3.000	4.111	06
3	9	3.500	2.706	06
3	9	4.000	1.837	06
3	9	4.500	1.300	06
3	9	5.000	9.556	05
3	9	5.500	7.229	05
3	9	6.000	5.617	05
3	9	6.500	4.466	05
3	9	7.000	3.620	05
3	9	8.000	2.494	05
3	9	9.000	1.805	05
3	9	10.000	1.357	05
3	9	12.000	8.346	04
3	9	14.000	5.564	04
3	9	16.000	3.930	04
3	9	18.000	2.898	04
3	9	20.000	2.210	04
3	9	25.000	1.249	04
3	9	30.000	7.856	03
3	9	35.000	5.317	03
3	9	40.000	3.795	03
3	9	45.000	2.819	03
3	9	50.000	2.162	03
3	9	60.000	1.367	03
3	9	70.000	9.283	02
3	9	80.000	6.640	02
3	9	90.000	4.942	02
3	9	100.000	3.795	02
3	9	110.000	2.989	02
3	9	120.000	2.403	02
3	9	130.000	1.967	02
3	9	140.000	1.634	02
3	9	150.000	1.375	02
3	9	160.000	1.170	02
3	9	170.000	1.005	02
3	9	180.000	8.710	01
3	9	190.000	7.608	01
3	9	200.000	6.691	01
3	9	210.000	5.922	01
3	9	220.000	5.272	01
3	9	230.000	4.717	01
3	9	240.000	4.240	01
3	10	0.005	7.724	04
3	10	0.010	3.059	05
3	10	0.015	6.770	05
3	10	0.020	1.176	06
3	10	0.025	1.786	06
3	10	0.030	2.484	06
3	10	0.035	3.249	06
3	10	0.040	4.058	06
3	10	0.050	5.726	06
3	10	0.060	7.352	06

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
3	10	0.070	8.849	06
3	10	0.080	1.018	07
3	10	0.090	1.135	07
3	10	0.100	1.237	07
3	10	0.110	1.326	07
3	10	0.120	1.405	07
3	10	0.130	1.475	07
3	10	0.140	1.537	07
3	10	0.150	1.591	07
3	10	0.160	1.637	07
3	10	0.170	1.675	07
3	10	0.180	1.707	07
3	10	0.190	1.732	07
3	10	0.200	1.752	07
3	10	0.220	1.777	07
3	10	0.240	1.789	07
3	10	0.260	1.793	07
3	10	0.280	1.795	07
3	10	0.300	1.798	07
3	10	0.350	1.819	07
3	10	0.400	1.854	07
3	10	0.450	1.895	07
3	10	0.500	1.935	07
3	10	0.600	1.976	07
3	10	0.700	1.972	07
3	10	0.800	1.933	07
3	10	0.900	1.875	07
3	10	1.000	1.810	07
3	10	1.200	1.667	07
3	10	1.400	1.524	07
3	10	1.600	1.381	07
3	10	1.800	1.240	07
3	10	2.000	1.104	07
3	10	2.500	7.987	06
3	10	3.000	5.620	06
3	10	3.500	3.927	06
3	10	4.000	2.769	06
3	10	4.500	1.984	06
3	10	5.000	1.456	06
3	10	5.500	1.101	06
3	10	6.000	8.542	05
3	10	6.500	6.758	05
3	10	7.000	5.447	05
3	10	8.000	3.713	05
3	10	9.000	2.664	05
3	10	10.000	1.989	05
3	10	12.000	1.211	05
3	10	14.000	8.020	04
3	10	16.000	5.637	04
3	10	18.000	4.143	04
3	10	20.000	3.151	04
3	10	25.000	1.773	04
3	10	30.000	1.113	04
3	10	35.000	7.517	03
3	10	40.000	5.358	03
3	10	45.000	3.978	03
3	10	50.000	3.049	03
3	10	60.000	1.926	03
3	10	70.000	1.307	03
3	10	80.000	9.344	02
3	10	90.000	6.953	02
3	10	100.000	5.338	02
3	10	110.000	4.203	02
3	10	120.000	3.380	02
3	10	130.000	2.765	02
3	10	140.000	2.297	02
3	10	150.000	1.932	02
3	10	160.000	1.644	02
3	10	170.000	1.412	02
3	10	180.000	1.224	02
3	10	190.000	1.069	02
3	10	200.000	9.404	01
3	10	210.000	8.323	01
3	10	220.000	7.408	01
3	10	230.000	6.628	01
3	10	240.000	5.959	01
3	11	0.005	2.136	05
3	11	0.010	8.414	05
3	11	0.015	1.845	06
3	11	0.020	3.165	06
3	11	0.025	4.725	06
3	11	0.030	6.441	06
3	11	0.035	8.225	06
3	11	0.040	9.993	06
3	11	0.050	1.320	07
3	11	0.060	1.566	07
3	11	0.070	1.723	07
3	11	0.080	1.796	07
3	11	0.090	1.808	07
3	11	0.100	1.782	07
3	11	0.110	1.739	07
3	11	0.120	1.696	07
3	11	0.130	1.661	07
3	11	0.140	1.641	07
3	11	0.150	1.633	07
3	11	0.160	1.635	07
3	11	0.170	1.648	07
3	11	0.180	1.667	07
3	11	0.190	1.693	07
3	11	0.200	1.723	07
3	11	0.220	1.785	07
3	11	0.240	1.840	07
3	11	0.260	1.884	07
3	11	0.280	1.915	07
3	11	0.300	1.932	07
3	11	0.350	1.929	07
3	11	0.400	1.882	07
3	11	0.450	1.818	07
3	11	0.500	1.757	07
3	11	0.600	1.660	07
3	11	0.700	1.595	07
3	11	0.800	1.555	07
3	11	0.900	1.521	07
3	11	1.000	1.489	07
3	11	1.200	1.417	07
3	11	1.400	1.335	07
3	11	1.600	1.243	07
3	11	1.800	1.147	07
3	11	2.000	1.051	07
3	11	2.500	8.222	06
3	11	3.000	6.245	06
3	11	3.500	4.653	06
3	11	4.000	3.441	06
3	11	4.500	2.557	06
3	11	5.000	1.920	06
3	11	5.500	1.460	06
3	11	6.000	1.130	06
3	11	6.500	8.932	05
3	11	7.000	7.192	05
3	11	8.000	4.872	05
3	11	9.000	3.467	05
3	11	10.000	2.569	05
3	11	12.000	1.546	05
3	11	14.000	1.016	05
3	11	16.000	7.101	04
3	11	18.000	5.197	04
3	11	20.000	3.940	04
3	11	25.000	2.206	04
3	11	30.000	1.380	04
3	11	35.000	9.304	03
3	11	40.000	6.623	03
3	11	45.000	4.912	03
3	11	50.000	3.762	03
3	11	60.000	2.373	03
3	11	70.000	1.609	03
3	11	80.000	1.150	03
3	11	90.000	8.555	02
3	11	100.000	6.566	02
3	11	110.000	5.169	02
3	11	120.000	4.155	02
3	11	130.000	3.400	02
3	11	140.000	2.823	02
3	11	150.000	2.375	02
3	11	160.000	2.021	02
3	11	170.000	1.736	02
3	11	180.000	1.504	02
3	11	190.000	1.314	02
3	11	200.000	1.156	02
3	11	210.000	1.023	02
3	11	220.000	9.102	01
3	11	230.000	8.144	01

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
3	11	240.000	7.321	01
3	12	0.005	5.419	04
3	12	0.010	2.140	05
3	12	0.015	4.712	05
3	12	0.020	8.132	05
3	12	0.025	1.224	06
3	12	0.030	1.685	06
3	12	0.035	2.178	06
3	12	0.040	2.686	06
3	12	0.050	3.684	06
3	12	0.060	4.594	06
3	12	0.070	5.377	06
3	12	0.080	6.042	06
3	12	0.090	6.616	06
3	12	0.100	7.136	06
3	12	0.110	7.628	06
3	12	0.120	8.110	06
3	12	0.130	8.588	06
3	12	0.140	9.064	06
3	12	0.150	9.524	06
3	12	0.160	9.964	06
3	12	0.170	1.038	07
3	12	0.180	1.076	07
3	12	0.190	1.112	07
3	12	0.200	1.144	07
3	12	0.220	1.196	07
3	12	0.240	1.236	07
3	12	0.260	1.264	07
3	12	0.280	1.283	07
3	12	0.300	1.297	07
3	12	0.350	1.319	07
3	12	0.400	1.339	07
3	12	0.450	1.361	07
3	12	0.500	1.383	07
3	12	0.600	1.422	07
3	12	0.700	1.441	07
3	12	0.800	1.438	07
3	12	0.900	1.420	07
3	12	1.000	1.395	07
3	12	1.200	1.334	07
3	12	1.400	1.268	07
3	12	1.600	1.203	07
3	12	1.800	1.134	07
3	12	2.000	1.062	07
3	12	2.500	8.826	06
3	12	3.000	7.123	06
3	12	3.500	5.628	06
3	12	4.000	4.391	06
3	12	4.500	3.402	06
3	12	5.000	2.634	06
3	12	5.500	2.053	06
3	12	6.000	1.614	06
3	12	6.500	1.282	06
3	12	7.000	1.031	06
3	12	8.000	6.964	05
3	12	9.000	4.940	05
3	12	10.000	3.636	05
3	12	12.000	2.162	05
3	12	14.000	1.408	05
3	12	16.000	9.774	04
3	12	18.000	7.118	04
3	12	20.000	5.377	04
3	12	25.000	2.991	04
3	12	30.000	1.864	04
3	12	35.000	1.254	04
3	12	40.000	8.910	03
3	12	45.000	6.600	03
3	12	50.000	5.050	03
3	12	60.000	3.182	03
3	12	70.000	2.156	03
3	12	80.000	1.540	03
3	12	90.000	1.145	03
3	12	100.000	8.784	02
3	12	110.000	6.913	02
3	12	120.000	5.557	02
3	12	130.000	4.545	02
3	12	140.000	3.774	02
3	12	150.000	3.175	02
3	12	160.000	2.700	02
3	12	170.000	2.320	02
3	12	180.000	2.010	02
3	12	190.000	1.756	02
3	12	200.000	1.544	02
3	12	210.000	1.366	02
3	12	220.000	1.216	02
3	12	230.000	1.088	02
3	12	240.000	9.780	01
3	13	0.005	1.989	05
3	13	0.010	7.819	05
3	13	0.015	1.709	06
3	13	0.020	2.918	06
3	13	0.025	4.330	06
3	13	0.030	5.859	06
3	13	0.035	7.419	06
3	13	0.040	8.927	06
3	13	0.050	1.153	07
3	13	0.060	1.332	07
3	13	0.070	1.423	07
3	13	0.080	1.438	07
3	13	0.090	1.402	07
3	13	0.100	1.339	07
3	13	0.110	1.270	07
3	13	0.120	1.207	07
3	13	0.130	1.159	07
3	13	0.140	1.125	07
3	13	0.150	1.106	07
3	13	0.160	1.098	07
3	13	0.170	1.101	07
3	13	0.180	1.113	07
3	13	0.190	1.132	07
3	13	0.200	1.157	07
3	13	0.220	1.206	07
3	13	0.240	1.256	07
3	13	0.260	1.302	07
3	13	0.280	1.340	07
3	13	0.300	1.369	07
3	13	0.350	1.406	07
3	13	0.400	1.401	07
3	13	0.450	1.371	07
3	13	0.500	1.333	07
3	13	0.600	1.264	07
3	13	0.700	1.215	07
3	13	0.800	1.186	07
3	13	0.900	1.169	07
3	13	1.000	1.154	07
3	13	1.200	1.125	07
3	13	1.400	1.090	07
3	13	1.600	1.049	07
3	13	1.800	1.004	07
3	13	2.000	9.552	06
3	13	2.500	8.279	06
3	13	3.000	7.009	06
3	13	3.500	5.821	06
3	13	4.000	4.756	06
3	13	4.500	3.846	06
3	13	5.000	3.093	06
3	13	5.500	2.482	06
3	13	6.000	1.995	06
3	13	6.500	1.612	06
3	13	7.000	1.313	06
3	13	8.000	8.913	05
3	13	9.000	6.298	05
3	13	10.000	4.636	05
3	13	12.000	2.727	05
3	13	14.000	1.759	05
3	13	16.000	1.213	05
3	13	18.000	8.782	04
3	13	20.000	6.605	04
3	13	25.000	3.648	04
3	13	30.000	2.263	04
3	13	35.000	1.518	04
3	13	40.000	1.077	04
3	13	45.000	7.963	03
3	13	50.000	6.086	03
3	13	60.000	3.829	03
3	13	70.000	2.592	03
3	13	80.000	1.850	03
3	13	90.000	1.374	03
3	13	100.000	1.054	03
3	13	110.000	8.295	02

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
3	13	120.000	6.665	02
3	13	130.000	5.451	02
3	13	140.000	4.526	02
3	13	150.000	3.806	02
3	13	160.000	3.237	02
3	13	170.000	2.781	02
3	13	180.000	2.409	02
3	13	190.000	2.104	02
3	13	200.000	1.850	02
3	13	210.000	1.637	02
3	13	220.000	1.457	02
3	13	230.000	1.304	02
3	13	240.000	1.172	02
3	14	0.005	4.348	04
3	14	0.010	1.713	05
3	14	0.015	3.755	05
3	14	0.020	6.443	05
3	14	0.025	9.624	05
3	14	0.030	1.313	06
3	14	0.035	1.680	06
3	14	0.040	2.047	06
3	14	0.050	2.732	06
3	14	0.060	3.301	06
3	14	0.070	3.740	06
3	14	0.080	4.070	06
3	14	0.090	4.331	06
3	14	0.100	4.562	06
3	14	0.110	4.793	06
3	14	0.120	5.043	06
3	14	0.130	5.318	06
3	14	0.140	5.615	06
3	14	0.150	5.926	06
3	14	0.160	6.245	06
3	14	0.170	6.567	06
3	14	0.180	6.887	06
3	14	0.190	7.200	06
3	14	0.200	7.500	06
3	14	0.220	8.040	06
3	14	0.240	8.501	06
3	14	0.260	8.881	06
3	14	0.280	9.186	06
3	14	0.300	9.424	06
3	14	0.350	9.810	06
3	14	0.400	1.002	07
3	14	0.450	1.017	07
3	14	0.500	1.032	07
3	14	0.600	1.057	07
3	14	0.700	1.077	07
3	14	0.800	1.087	07
3	14	0.900	1.086	07
3	14	1.000	1.077	07
3	14	1.200	1.051	07
3	14	1.400	1.020	07
3	14	1.600	9.863	06
3	14	1.800	9.535	06
3	14	2.000	9.184	06
3	14	2.500	8.233	06
3	14	3.000	7.232	06
3	14	3.500	6.238	06
3	14	4.000	5.304	06
3	14	4.500	4.460	06
3	14	5.000	3.715	06
3	14	5.500	3.078	06
3	14	6.000	2.543	06
3	14	6.500	2.102	06
3	14	7.000	1.741	06
3	14	8.000	1.210	06
3	14	9.000	8.622	05
3	14	10.000	6.315	05
3	14	12.000	3.710	05
3	14	14.000	2.372	05
3	14	16.000	1.622	05
3	14	18.000	1.168	05
3	14	20.000	8.739	04
3	14	25.000	4.786	04
3	14	30.000	2.955	04
3	14	35.000	1.975	04
3	14	40.000	1.397	04
3	14	45.000	1.032	04
3	14	50.000	7.875	03
3	14	60.000	4.946	03
3	14	70.000	3.344	03
3	14	80.000	2.385	03
3	14	90.000	1.771	03
3	14	100.000	1.358	03
3	14	110.000	1.068	03
3	14	120.000	8.578	02
3	14	130.000	7.014	02
3	14	140.000	5.822	02
3	14	150.000	4.896	02
3	14	160.000	4.163	02
3	14	170.000	3.576	02
3	14	180.000	3.098	02
3	14	190.000	2.705	02
3	14	200.000	2.379	02
3	14	210.000	2.105	02
3	14	220.000	1.873	02
3	14	230.000	1.676	02
3	14	240.000	1.506	02
3	15	0.005	1.841	05
3	15	0.010	7.225	05
3	15	0.015	1.576	06
3	15	0.020	2.682	06
3	15	0.025	3.964	06
3	15	0.030	5.339	06
3	15	0.035	6.722	06
3	15	0.040	8.037	06
3	15	0.050	1.023	07
3	15	0.060	1.161	07
3	15	0.070	1.215	07
3	15	0.080	1.200	07
3	15	0.090	1.142	07
3	15	0.100	1.064	07
3	15	0.110	9.840	06
3	15	0.120	9.128	06
3	15	0.130	8.574	06
3	15	0.140	8.163	06
3	15	0.150	7.888	06
3	15	0.160	7.734	06
3	15	0.170	7.685	06
3	15	0.180	7.727	06
3	15	0.190	7.845	06
3	15	0.200	7.998	06
3	15	0.220	8.364	06
3	15	0.240	8.774	06
3	15	0.260	9.182	06
3	15	0.280	9.558	06
3	15	0.300	9.885	06
3	15	0.350	1.045	07
3	15	0.400	1.066	07
3	15	0.450	1.062	07
3	15	0.500	1.043	07
3	15	0.600	9.930	06
3	15	0.700	9.538	06
3	15	0.800	9.276	06
3	15	0.900	9.123	06
3	15	1.000	9.045	06
3	15	1.200	8.912	06
3	15	1.400	8.762	06
3	15	1.600	8.574	06
3	15	1.800	8.360	06
3	15	2.000	8.120	06
3	15	2.500	7.445	06
3	15	3.000	6.722	06
3	15	3.500	5.978	06
3	15	4.000	5.249	06
3	15	4.500	4.555	06
3	15	5.000	3.917	06
3	15	5.500	3.345	06
3	15	6.000	2.842	06
3	15	6.500	2.407	06
3	15	7.000	2.036	06
3	15	8.000	1.461	06
3	15	9.000	1.062	06
3	15	10.000	7.854	05
3	15	12.000	4.593	05
3	15	14.000	2.932	05
3	15	16.000	1.991	05
3	15	18.000	1.424	05
3	15	20.000	1.060	05

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
3	15	25.000	5.751	04
3	15	30.000	3.530	04
3	15	35.000	2.350	04
3	15	40.000	1.658	04
3	15	45.000	1.222	04
3	15	50.000	9.315	03
3	15	60.000	5.838	03
3	15	70.000	3.941	03
3	15	80.000	2.808	03
3	15	90.000	2.084	03
3	15	100.000	1.597	03
3	15	110.000	1.255	03
3	15	120.000	1.008	03
3	15	130.000	8.242	02
3	15	140.000	6.840	02
3	15	150.000	5.750	02
3	15	160.000	4.889	02
3	15	170.000	4.199	02
3	15	180.000	3.637	02
3	15	190.000	3.176	02
3	15	200.000	2.792	02
3	15	210.000	2.471	02
3	15	220.000	2.199	02
3	15	230.000	1.967	02
3	15	240.000	1.768	02
3	16	0.005	3.707	04
3	16	0.010	1.457	05
3	16	0.015	3.186	05
3	16	0.020	5.444	05
3	16	0.025	8.088	05
3	16	0.030	1.096	06
3	16	0.035	1.392	06
3	16	0.040	1.681	06
3	16	0.050	2.197	06
3	16	0.060	2.590	06
3	16	0.070	2.853	06
3	16	0.080	3.013	06
3	16	0.090	3.113	06
3	16	0.100	3.191	06
3	16	0.110	3.276	06
3	16	0.120	3.385	06
3	16	0.130	3.525	06
3	16	0.140	3.692	06
3	16	0.150	3.882	06
3	16	0.160	4.090	06
3	16	0.170	4.312	06
3	16	0.180	4.544	06
3	16	0.190	4.782	06
3	16	0.200	5.016	06
3	16	0.220	5.467	06
3	16	0.240	5.884	06
3	16	0.260	6.258	06
3	16	0.280	6.584	06
3	16	0.300	6.861	06
3	16	0.350	7.364	06
3	16	0.400	7.662	06
3	16	0.450	7.839	06
3	16	0.500	7.957	06
3	16	0.600	8.139	06
3	16	0.700	8.283	06
3	16	0.800	8.394	06
3	16	0.900	8.451	06
3	16	1.000	8.449	06
3	16	1.200	8.346	06
3	16	1.400	8.189	06
3	16	1.600	8.015	06
3	16	1.800	7.835	06
3	16	2.000	7.660	06
3	16	2.500	7.161	06
3	16	3.000	6.608	06
3	16	3.500	6.016	06
3	16	4.000	5.416	06
3	16	4.500	4.826	06
3	16	5.000	4.265	06
3	16	5.500	3.738	06
3	16	6.000	3.258	06
3	16	6.500	2.826	06
3	16	7.000	2.444	06
3	16	8.000	1.820	06
3	16	9.000	1.358	06
3	16	10.000	1.023	06
3	16	12.000	6.056	05
3	16	14.000	3.847	05
3	16	16.000	2.607	05
3	16	18.000	1.853	05
3	16	20.000	1.372	05
3	16	25.000	7.370	04
3	16	30.000	4.494	04
3	16	35.000	2.979	04
3	16	40.000	2.096	04
3	16	45.000	1.541	04
3	16	50.000	1.172	04
3	16	60.000	7.331	03
3	16	70.000	4.942	03
3	16	80.000	3.517	03
3	16	90.000	2.608	03
3	16	100.000	1.997	03
3	16	110.000	1.569	03
3	16	120.000	1.260	03
3	16	130.000	1.030	03
3	16	140.000	8.542	02
3	16	150.000	7.180	02
3	16	160.000	6.104	02
3	16	170.000	5.241	02
3	16	180.000	4.540	02
3	16	190.000	3.963	02
3	16	200.000	3.484	02
3	16	210.000	3.083	02
3	16	220.000	2.743	02
3	16	230.000	2.454	02
3	16	240.000	2.205	02
3	17	0.005	1.699	05
3	17	0.010	6.664	05
3	17	0.015	1.451	06
3	17	0.020	2.465	06
3	17	0.025	3.634	06
3	17	0.030	4.878	06
3	17	0.035	6.118	06
3	17	0.040	7.283	06
3	17	0.050	9.173	06
3	17	0.060	1.029	07
3	17	0.070	1.061	07
3	17	0.080	1.032	07
3	17	0.090	9.653	06
3	17	0.100	8.823	06
3	17	0.110	7.995	06
3	17	0.120	7.264	06
3	17	0.130	6.686	06
3	17	0.140	6.240	06
3	17	0.150	5.921	06
3	17	0.160	5.716	06
3	17	0.170	5.610	06
3	17	0.180	5.592	06
3	17	0.190	5.646	06
3	17	0.200	5.723	06
3	17	0.220	5.965	06
3	17	0.240	6.272	06
3	17	0.260	6.604	06
3	17	0.280	6.933	06
3	17	0.300	7.239	06
3	17	0.350	7.853	06
3	17	0.400	8.214	06
3	17	0.450	8.347	06
3	17	0.500	8.317	06
3	17	0.600	8.022	06
3	17	0.700	7.692	06
3	17	0.800	7.458	06
3	17	0.900	7.304	06
3	17	1.000	7.218	06
3	17	1.200	7.143	06
3	17	1.400	7.079	06
3	17	1.600	6.994	06
3	17	1.800	6.888	06
3	17	2.000	6.768	06
3	17	2.500	6.410	06
3	17	3.000	6.002	06
3	17	3.500	5.567	06
3	17	4.000	5.113	06
3	17	4.500	4.655	06
3	17	5.000	4.202	06

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
3	18	0.130	2.486	06
3	18	0.140	2.570	06
3	18	0.150	2.678	06
3	18	0.160	2.806	06
3	18	0.170	2.951	06
3	18	0.180	3.110	06
3	18	0.190	3.279	06
3	18	0.200	3.450	06
3	18	0.220	3.795	06
3	18	0.240	4.134	06
3	18	0.260	4.455	06
3	18	0.280	4.751	06
3	18	0.300	5.019	06
3	18	0.350	5.553	06
3	18	0.400	5.912	06
3	18	0.450	6.139	06
3	18	0.500	6.280	06
3	18	0.600	6.442	06
3	18	0.700	6.554	06
3	18	0.800	6.640	06
3	18	0.900	6.707	06
3	18	1.000	6.744	06
3	18	1.200	6.725	06
3	18	1.400	6.648	06
3	18	1.600	6.554	06
3	18	1.800	6.451	06
3	18	2.000	6.348	06
3	18	2.500	6.084	06
3	18	3.000	5.773	06
3	18	3.500	5.432	06
3	18	4.000	5.066	06
3	18	4.500	4.691	06
3	18	5.000	4.311	06
3	18	5.500	3.939	06
3	18	6.000	3.576	06
3	18	6.500	3.230	06
3	18	7.000	2.905	06
3	18	8.000	2.327	06
3	18	9.000	1.846	06
3	18	10.000	1.460	06
3	18	12.000	9.190	05
3	18	14.000	5.961	05
3	18	16.000	4.029	05
3	18	18.000	2.853	05
3	18	20.000	2.099	05
3	18	25.000	1.104	05
3	18	30.000	6.632	04
3	18	35.000	4.352	04
3	18	40.000	3.039	04
3	18	45.000	2.222	04
3	18	50.000	1.684	04
3	18	60.000	1.047	04
3	18	70.000	7.032	03
3	18	80.000	4.991	03

n'	n	α	S(α)	
3	17	5.500	3.768	06
3	17	6.000	3.357	06
3	17	6.500	2.977	06
3	17	7.000	2.627	06
3	17	8.000	2.031	06
3	17	9.000	1.562	06
3	17	10.000	1.203	06
3	17	12.000	7.319	05
3	17	14.000	4.670	05
3	17	16.000	3.155	05
3	17	18.000	2.239	05
3	17	20.000	1.649	05
3	17	25.000	8.765	04
3	17	30.000	5.306	04
3	17	35.000	3.500	04
3	17	40.000	2.454	04
3	17	45.000	1.800	04
3	17	50.000	1.367	04
3	17	60.000	8.522	03
3	17	70.000	5.735	03
3	17	80.000	4.076	03
3	17	90.000	3.020	03
3	17	100.000	2.311	03
3	17	110.000	1.815	03
3	17	120.000	1.457	03
3	17	130.000	1.190	03
3	17	140.000	9.871	02
3	17	150.000	8.295	02
3	17	160.000	7.051	02
3	17	170.000	6.053	02
3	17	180.000	5.242	02
3	17	190.000	4.576	02
3	17	200.000	4.022	02
3	17	210.000	3.558	02
3	17	220.000	3.166	02
3	17	230.000	2.832	02
3	17	240.000	2.545	02
3	18	0.005	3.261	04
3	18	0.010	1.281	05
3	18	0.015	2.794	05
3	18	0.020	4.760	05
3	18	0.025	7.046	05
3	18	0.030	9.507	05
3	18	0.035	1.200	06
3	18	0.040	1.441	06
3	18	0.050	1.854	06
3	18	0.060	2.145	06
3	18	0.070	2.312	06
3	18	0.080	2.382	06
3	18	0.090	2.398	06
3	18	0.100	2.395	06
3	18	0.110	2.400	06
3	18	0.120	2.427	06

n'	n	α	S(α)	
3	18	90.000	3.694	03
3	18	100.000	2.825	03
3	18	110.000	2.218	03
3	18	120.000	1.779	03
3	18	130.000	1.453	03
3	18	140.000	1.204	03
3	18	150.000	1.012	03
3	18	160.000	8.599	02
3	18	170.000	7.381	02
3	18	180.000	6.391	02
3	18	190.000	5.578	02
3	18	200.000	4.903	02
3	18	210.000	4.337	02
3	18	220.000	3.858	02
3	18	230.000	3.450	02
3	18	240.000	3.101	02
4	5	0.005	6.726	02
4	5	0.010	2.690	03
4	5	0.015	6.049	03
4	5	0.020	1.075	04
4	5	0.025	1.678	04
4	5	0.030	2.413	04
4	5	0.035	3.281	04
4	5	0.040	4.279	04
4	5	0.050	6.664	04
4	5	0.060	9.556	04
4	5	0.070	1.294	05
4	5	0.080	1.681	05
4	5	0.090	2.114	05
4	5	0.100	2.592	05
4	5	0.110	3.112	05
4	5	0.120	3.672	05
4	5	0.130	4.270	05
4	5	0.140	4.903	05
4	5	0.150	5.569	05
4	5	0.160	6.265	05
4	5	0.170	6.989	05
4	5	0.180	7.737	05
4	5	0.190	8.506	05
4	5	0.200	9.295	05
4	5	0.220	1.092	06
4	5	0.240	1.258	06
4	5	0.260	1.427	06
4	5	0.280	1.595	06
4	5	0.300	1.762	06
4	5	0.350	2.160	06
4	5	0.400	2.517	06
4	5	0.450	2.822	06
4	5	0.500	3.073	06
4	5	0.600	3.436	06
4	5	0.700	3.672	06
4	5	0.800	3.852	06
4	5	0.900	4.021	06

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
4	5	1.000	4.195	06
4	5	1.200	4.536	06
4	5	1.400	4.831	06
4	5	1.600	5.041	06
4	5	1.800	5.155	06
4	5	2.000	5.185	06
4	5	2.500	4.981	06
4	5	3.000	4.548	06
4	5	3.500	4.004	06
4	5	4.000	3.438	06
4	5	4.500	2.903	06
4	5	5.000	2.419	06
4	5	5.500	2.000	06
4	5	6.000	1.650	06
4	5	6.500	1.360	06
4	5	7.000	1.125	06
4	5	8.000	7.815	05
4	5	9.000	5.581	05
4	5	10.000	4.103	05
4	5	12.000	2.410	05
4	5	14.000	1.541	05
4	5	16.000	1.054	05
4	5	18.000	7.577	04
4	5	20.000	5.666	04
4	5	25.000	3.099	04
4	5	30.000	1.911	04
4	5	35.000	1.276	04
4	5	40.000	9.026	03
4	5	45.000	6.662	03
4	5	50.000	5.084	03
4	5	60.000	3.192	03
4	5	70.000	2.157	03
4	5	80.000	1.538	03
4	5	90.000	1.142	03
4	5	100.000	8.755	02
4	5	110.000	6.886	02
4	5	120.000	5.531	02
4	5	130.000	4.522	02
4	5	140.000	3.754	02
4	5	150.000	3.156	02
4	5	160.000	2.684	02
4	5	170.000	2.305	02
4	5	180.000	1.997	02
4	5	190.000	1.744	02
4	5	200.000	1.533	02
4	5	210.000	1.357	02
4	5	220.000	1.208	02
4	5	230.000	1.080	02
4	5	240.000	9.709	01
4	6	0.005	1.164	03
4	6	0.010	4.654	03
4	6	0.015	1.047	04
4	6	0.020	1.859	04

n'	n	α	S(α)	
4	6	0.025	2.903	04
4	6	0.030	4.176	04
4	6	0.035	5.677	04
4	6	0.040	7.404	04
4	6	0.050	1.153	05
4	6	0.060	1.654	05
4	6	0.070	2.240	05
4	6	0.080	2.910	05
4	6	0.090	3.660	05
4	6	0.100	4.488	05
4	6	0.110	5.390	05
4	6	0.120	6.362	05
4	6	0.130	7.401	05
4	6	0.140	8.502	05
4	6	0.150	9.662	05
4	6	0.160	1.088	06
4	6	0.170	1.214	06
4	6	0.180	1.345	06
4	6	0.190	1.480	06
4	6	0.200	1.619	06
4	6	0.220	1.906	06
4	6	0.240	2.204	06
4	6	0.260	2.508	06
4	6	0.280	2.817	06
4	6	0.300	3.128	06
4	6	0.350	3.900	06
4	6	0.400	4.651	06
4	6	0.450	5.370	06
4	6	0.500	6.052	06
4	6	0.600	7.320	06
4	6	0.700	8.472	06
4	6	0.800	9.509	06
4	6	0.900	1.041	07
4	6	1.000	1.116	07
4	6	1.200	1.221	07
4	6	1.400	1.270	07
4	6	1.600	1.274	07
4	6	1.800	1.245	07
4	6	2.000	1.195	07
4	6	2.500	1.025	07
4	6	3.000	8.426	06
4	6	3.500	6.808	06
4	6	4.000	5.455	06
4	6	4.500	4.353	06
4	6	5.000	3.484	06
4	6	5.500	2.790	06
4	6	6.000	2.251	06
4	6	6.500	1.825	06
4	6	7.000	1.492	06
4	6	8.000	1.023	06
4	6	9.000	7.261	05
4	6	10.000	5.345	05
4	6	12.000	3.157	05
4	6	14.000	2.037	05

n'	n	α	S(α)	
4	6	16.000	1.404	05
4	6	18.000	1.016	05
4	6	20.000	7.639	04
4	6	25.000	4.217	04
4	6	30.000	2.615	04
4	6	35.000	1.754	04
4	6	40.000	1.243	04
4	6	45.000	9.196	03
4	6	50.000	7.028	03
4	6	60.000	4.421	03
4	6	70.000	2.992	03
4	6	80.000	2.136	03
4	6	90.000	1.587	03
4	6	100.000	1.217	03
4	6	110.000	9.575	02
4	6	120.000	7.694	02
4	6	130.000	6.293	02
4	6	140.000	5.224	02
4	6	150.000	4.394	02
4	6	160.000	3.737	02
4	6	170.000	3.210	02
4	6	180.000	2.781	02
4	6	190.000	2.429	02
4	6	200.000	2.136	02
4	6	210.000	1.890	02
4	6	220.000	1.682	02
4	6	230.000	1.505	02
4	6	240.000	1.353	02
4	7	0.005	1.043	04
4	7	0.010	4.161	04
4	7	0.015	9.320	04
4	7	0.020	1.646	05
4	7	0.025	2.551	05
4	7	0.030	3.636	05
4	7	0.035	4.891	05
4	7	0.040	6.302	05
4	7	0.050	9.536	05
4	7	0.060	1.322	06
4	7	0.070	1.722	06
4	7	0.080	2.142	06
4	7	0.090	2.571	06
4	7	0.100	2.999	06
4	7	0.110	3.420	06
4	7	0.120	3.828	06
4	7	0.130	4.221	06
4	7	0.140	4.597	06
4	7	0.150	4.957	06
4	7	0.160	5.301	06
4	7	0.170	5.632	06
4	7	0.180	5.951	06
4	7	0.190	6.262	06
4	7	0.200	6.565	06
4	7	0.220	7.155	06

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
4	7	0.240	7.729	06
4	7	0.260	8.285	06
4	7	0.280	8.820	06
4	7	0.300	9.322	06
4	7	0.350	1.038	07
4	7	0.400	1.111	07
4	7	0.450	1.148	07
4	7	0.500	1.152	07
4	7	0.600	1.097	07
4	7	0.700	1.004	07
4	7	0.800	9.159	06
4	7	0.900	8.479	06
4	7	1.000	7.984	06
4	7	1.200	7.485	06
4	7	1.400	7.366	06
4	7	1.600	7.409	06
4	7	1.800	7.522	06
4	7	2.000	7.633	06
4	7	2.500	7.717	06
4	7	3.000	7.404	06
4	7	3.500	6.777	06
4	7	4.000	5.988	06
4	7	4.500	5.160	06
4	7	5.000	4.372	06
4	7	5.500	3.667	06
4	7	6.000	3.058	06
4	7	6.500	2.544	06
4	7	7.000	2.120	06
4	7	8.000	1.484	06
4	7	9.000	1.063	06
4	7	10.000	7.814	05
4	7	12.000	4.564	05
4	7	14.000	2.912	05
4	7	16.000	1.984	05
4	7	18.000	1.423	05
4	7	20.000	1.062	05
4	7	25.000	5.792	04
4	7	30.000	3.565	04
4	7	35.000	2.378	04
4	7	40.000	1.680	04
4	7	45.000	1.239	04
4	7	50.000	9.454	03
4	7	60.000	5.931	03
4	7	70.000	4.007	03
4	7	80.000	2.856	03
4	7	90.000	2.120	03
4	7	100.000	1.625	03
4	7	110.000	1.278	03
4	7	120.000	1.026	03
4	7	130.000	8.392	02
4	7	140.000	6.965	02
4	7	150.000	5.856	02
4	7	160.000	4.980	02
4	7	170.000	4.277	02
4	7	180.000	3.705	02
4	7	190.000	3.235	02
4	7	200.000	2.844	02
4	7	210.000	2.517	02
4	7	220.000	2.240	02
4	7	230.000	2.004	02
4	7	240.000	1.801	02
4	8	0.005	1.764	03
4	8	0.010	7.055	03
4	8	0.015	1.587	04
4	8	0.020	2.818	04
4	8	0.025	4.400	04
4	8	0.030	6.328	04
4	8	0.035	8.602	04
4	8	0.040	1.122	05
4	8	0.050	1.746	05
4	8	0.060	2.503	05
4	8	0.070	3.388	05
4	8	0.080	4.398	05
4	8	0.090	5.528	05
4	8	0.100	6.771	05
4	8	0.110	8.122	05
4	8	0.120	9.576	05
4	8	0.130	1.112	06
4	8	0.140	1.276	06
4	8	0.150	1.448	06
4	8	0.160	1.627	06
4	8	0.170	1.813	06
4	8	0.180	2.004	06
4	8	0.190	2.201	06
4	8	0.200	2.402	06
4	8	0.220	2.813	06
4	8	0.240	3.232	06
4	8	0.260	3.654	06
4	8	0.280	4.073	06
4	8	0.300	4.485	06
4	8	0.350	5.456	06
4	8	0.400	6.313	06
4	8	0.450	7.035	06
4	8	0.500	7.623	06
4	8	0.600	8.456	06
4	8	0.700	8.972	06
4	8	0.800	9.303	06
4	8	0.900	9.521	06
4	8	1.000	9.641	06
4	8	1.200	9.628	06
4	8	1.400	9.380	06
4	8	1.600	8.982	06
4	8	1.800	8.540	06
4	8	2.000	8.097	06
4	8	2.500	7.134	06
4	8	3.000	6.412	06
4	8	3.500	5.804	06
4	8	4.000	5.265	06
4	8	4.500	4.736	06
4	8	5.000	4.219	06
4	8	5.500	3.725	06
4	8	6.000	3.257	06
4	8	6.500	2.829	06
4	8	7.000	2.445	06
4	8	8.000	1.814	06
4	8	9.000	1.345	06
4	8	10.000	1.008	06
4	8	12.000	5.949	05
4	8	14.000	3.777	05
4	8	16.000	2.557	05
4	8	18.000	1.819	05
4	8	20.000	1.347	05
4	8	25.000	7.245	04
4	8	30.000	4.420	04
4	8	35.000	2.932	04
4	8	40.000	2.063	04
4	8	45.000	1.517	04
4	8	50.000	1.155	04
4	8	60.000	7.222	03
4	8	70.000	4.869	03
4	8	80.000	3.466	03
4	8	90.000	2.570	03
4	8	100.000	1.968	03
4	8	110.000	1.547	03
4	8	120.000	1.242	03
4	8	130.000	1.015	03
4	8	140.000	8.421	02
4	8	150.000	7.078	02
4	8	160.000	6.018	02
4	8	170.000	5.167	02
4	8	180.000	4.476	02
4	8	190.000	3.907	02
4	8	200.000	3.435	02
4	8	210.000	3.039	02
4	8	220.000	2.704	02
4	8	230.000	2.419	02
4	8	240.000	2.174	02
4	9	0.005	1.415	04
4	9	0.010	5.616	04
4	9	0.015	1.248	05
4	9	0.020	2.180	05
4	9	0.025	3.331	05
4	9	0.030	4.667	05
4	9	0.035	6.154	05
4	9	0.040	7.751	05
4	9	0.050	1.112	06
4	9	0.060	1.447	06
4	9	0.070	1.757	06
4	9	0.080	2.024	06
4	9	0.090	2.240	06

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
4	9	0.100	2.406	06
4	9	0.110	2.527	06
4	9	0.120	2.614	06
4	9	0.130	2.677	06
4	9	0.140	2.727	06
4	9	0.150	2.773	06
4	9	0.160	2.824	06
4	9	0.170	2.884	06
4	9	0.180	2.957	06
4	9	0.190	3.044	06
4	9	0.200	3.146	06
4	9	0.220	3.385	06
4	9	0.240	3.662	06
4	9	0.260	3.968	06
4	9	0.280	4.291	06
4	9	0.300	4.618	06
4	9	0.350	5.385	06
4	9	0.400	6.024	06
4	9	0.450	6.497	06
4	9	0.500	6.800	06
4	9	0.600	6.982	06
4	9	0.700	6.812	06
4	9	0.800	6.522	06
4	9	0.900	6.254	06
4	9	1.000	6.073	06
4	9	1.200	5.939	06
4	9	1.400	6.011	06
4	9	1.600	6.159	06
4	9	1.800	6.294	06
4	9	2.000	6.392	06
4	9	2.500	6.421	06
4	9	3.000	6.196	06
4	9	3.500	5.821	06
4	9	4.000	5.383	06
4	9	4.500	4.930	06
4	9	5.000	4.487	06
4	9	5.500	4.063	06
4	9	6.000	3.658	06
4	9	6.500	3.280	06
4	9	7.000	2.928	06
4	9	8.000	2.309	06
4	9	9.000	1.804	06
4	9	10.000	1.406	06
4	9	12.000	8.648	05
4	9	14.000	5.535	05
4	9	16.000	3.740	05
4	9	18.000	2.649	05
4	9	20.000	1.948	05
4	9	25.000	1.030	05
4	9	30.000	6.215	04
4	9	35.000	4.091	04
4	9	40.000	2.863	04
4	9	45.000	2.097	04
4	9	50.000	1.591	04
4	9	60.000	9.909	03
4	9	70.000	6.662	03
4	9	80.000	4.732	03
4	9	90.000	3.505	03
4	9	100.000	2.681	03
4	9	110.000	2.105	03
4	9	120.000	1.689	03
4	9	130.000	1.380	03
4	9	140.000	1.144	03
4	9	150.000	9.614	02
4	9	160.000	8.171	02
4	9	170.000	7.014	02
4	9	180.000	6.074	02
4	9	190.000	5.302	02
4	9	200.000	4.660	02
4	9	210.000	4.122	02
4	9	220.000	3.668	02
4	9	230.000	3.280	02
4	9	240.000	2.948	02
4	10	0.005	5.548	03
4	10	0.010	2.215	04
4	10	0.015	4.970	04
4	10	0.020	8.799	04
4	10	0.025	1.368	05
4	10	0.030	1.957	05
4	10	0.035	2.643	05
4	10	0.040	3.422	05
4	10	0.050	5.237	05
4	10	0.060	7.354	05
4	10	0.070	9.721	05
4	10	0.080	1.228	06
4	10	0.090	1.498	06
4	10	0.100	1.777	06
4	10	0.110	2.058	06
4	10	0.120	2.339	06
4	10	0.130	2.615	06
4	10	0.140	2.882	06
4	10	0.150	3.138	06
4	10	0.160	3.381	06
4	10	0.170	3.611	06
4	10	0.180	3.826	06
4	10	0.190	4.026	06
4	10	0.200	4.212	06
4	10	0.220	4.542	06
4	10	0.240	4.823	06
4	10	0.260	5.063	06
4	10	0.280	5.266	06
4	10	0.300	5.440	06
4	10	0.350	5.772	06
4	10	0.400	5.982	06
4	10	0.450	6.099	06
4	10	0.500	6.161	06
4	10	0.600	6.220	06
4	10	0.700	6.296	06
4	10	0.800	6.406	06
4	10	0.900	6.514	06
4	10	1.000	6.598	06
4	10	1.200	6.631	06
4	10	1.400	6.493	06
4	10	1.600	6.278	06
4	10	1.800	6.052	06
4	10	2.000	5.838	06
4	10	2.500	5.411	06
4	10	3.000	5.120	06
4	10	3.500	4.867	06
4	10	4.000	4.623	06
4	10	4.500	4.368	06
4	10	5.000	4.093	06
4	10	5.500	3.810	06
4	10	6.000	3.525	06
4	10	6.500	3.243	06
4	10	7.000	2.969	06
4	10	8.000	2.461	06
4	10	9.000	2.016	06
4	10	10.000	1.641	06
4	10	12.000	1.079	06
4	10	14.000	7.170	05
4	10	16.000	4.886	05
4	10	18.000	3.457	05
4	10	20.000	2.539	05
4	10	25.000	1.326	05
4	10	30.000	7.902	04
4	10	35.000	5.154	04
4	10	40.000	3.583	04
4	10	45.000	2.612	04
4	10	50.000	1.974	04
4	10	60.000	1.223	04
4	10	70.000	8.196	03
4	10	80.000	5.809	03
4	10	90.000	4.294	03
4	10	100.000	3.281	03
4	10	110.000	2.574	03
4	10	120.000	2.063	03
4	10	130.000	1.684	03
4	10	140.000	1.396	03
4	10	150.000	1.172	03
4	10	160.000	9.961	02
4	10	170.000	8.548	02
4	10	180.000	7.400	02
4	10	190.000	6.458	02
4	10	200.000	5.675	02
4	10	210.000	5.019	02
4	10	220.000	4.465	02
4	10	230.000	3.993	02
4	10	240.000	3.588	02
4	11	0.005	1.818	03

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
4	11	0.010	7.258	03
4	11	0.015	1.627	04
4	11	0.020	2.880	04
4	11	0.025	4.473	04
4	11	0.030	6.395	04
4	11	0.035	8.634	04
4	11	0.040	1.117	05
4	11	0.050	1.710	05
4	11	0.060	2.407	05
4	11	0.070	3.197	05
4	11	0.080	4.070	05
4	11	0.090	5.018	05
4	11	0.100	6.035	05
4	11	0.110	7.112	05
4	11	0.120	8.243	05
4	11	0.130	9.419	05
4	11	0.140	1.063	06
4	11	0.150	1.188	06
4	11	0.160	1.315	06
4	11	0.170	1.443	06
4	11	0.180	1.572	06
4	11	0.190	1.700	06
4	11	0.200	1.828	06
4	11	0.220	2.080	06
4	11	0.240	2.323	06
4	11	0.260	2.554	06
4	11	0.280	2.773	06
4	11	0.300	2.978	06
4	11	0.350	3.431	06
4	11	0.400	3.803	06
4	11	0.450	4.103	06
4	11	0.500	4.340	06
4	11	0.600	4.643	06
4	11	0.700	4.764	06
4	11	0.800	4.765	06
4	11	0.900	4.704	06
4	11	1.000	4.634	06
4	11	1.200	4.557	06
4	11	1.400	4.575	06
4	11	1.600	4.650	06
4	11	1.800	4.747	06
4	11	2.000	4.820	06
4	11	2.500	4.888	06
4	11	3.000	4.810	06
4	11	3.500	4.651	06
4	11	4.000	4.455	06
4	11	4.500	4.241	06
4	11	5.000	4.023	06
4	11	5.500	3.806	06
4	11	6.000	3.585	06
4	11	6.500	3.365	06
4	11	7.000	3.148	06
4	11	8.000	2.726	06
4	11	9.000	2.332	06
4	11	10.000	1.976	06
4	11	12.000	1.392	06
4	11	14.000	9.735	05
4	11	16.000	6.871	5
4	11	18.000	4.926	05
4	11	20.000	3.618	05
4	11	25.000	1.882	05
4	11	30.000	1.108	05
4	11	35.000	7.157	04
4	11	40.000	4.938	04
4	11	45.000	3.578	04
4	11	50.000	2.693	04
4	11	60.000	1.658	04
4	11	70.000	1.106	04
4	11	80.000	7.817	03
4	11	90.000	5.766	03
4	11	100.000	4.398	03
4	11	110.000	3.446	03
4	11	120.000	2.760	03
4	11	130.000	2.251	03
4	11	140.000	1.865	03
4	11	150.000	1.565	03
4	11	160.000	1.329	03
4	11	170.000	1.140	03
4	11	180.000	9.867	02
4	11	190.000	8.608	02
4	11	200.000	7.563	02
4	11	210.000	6.687	02
4	11	220.000	5.947	02
4	11	230.000	5.317	02
4	11	240.000	4.777	02
4	12	0.005	2.790	03
4	12	0.010	1.115	04
4	12	0.015	2.506	04
4	12	0.020	4.448	04
4	12	0.025	6.935	04
4	12	0.030	9.959	04
4	12	0.035	1.351	05
4	12	0.040	1.758	05
4	12	0.050	2.723	05
4	12	0.060	3.879	05
4	12	0.070	5.213	05
4	12	0.080	6.710	05
4	12	0.090	8.353	05
4	12	0.100	1.012	06
4	12	0.110	1.201	06
4	12	0.120	1.398	06
4	12	0.130	1.602	06
4	12	0.140	1.811	06
4	12	0.150	2.023	06
4	12	0.160	2.236	06
4	12	0.170	2.448	06
4	12	0.180	2.658	06
4	12	0.190	2.864	06
4	12	0.200	3.064	06
4	12	0.220	3.442	06
4	12	0.240	3.783	06
4	12	0.260	4.082	06
4	12	0.280	4.335	06
4	12	0.300	4.541	06
4	12	0.350	4.862	06
4	12	0.400	4.958	06
4	12	0.450	4.912	06
4	12	0.500	4.801	06
4	12	0.600	4.586	06
4	12	0.700	4.506	06
4	12	0.800	4.529	06
4	12	0.900	4.610	06
4	12	1.000	4.701	06
4	12	1.200	4.784	06
4	12	1.400	4.747	06
4	12	1.600	4.640	06
4	12	1.800	4.513	06
4	12	2.000	4.397	06
4	12	2.500	4.160	06
4	12	3.000	4.015	06
4	12	3.500	3.901	06
4	12	4.000	3.790	06
4	12	4.500	3.673	06
4	12	5.000	3.546	06
4	12	5.500	3.404	06
4	12	6.000	3.256	06
4	12	6.500	3.103	06
4	12	7.000	2.947	06
4	12	8.000	2.633	06
4	12	9.000	2.329	06
4	12	10.000	2.042	06
4	12	12.000	1.537	06
4	12	14.000	1.137	06
4	12	16.000	8.354	05
4	12	18.000	6.179	05
4	12	20.000	4.623	05
4	12	25.000	2.408	05
4	12	30.000	1.414	05
4	12	35.000	9.044	04
4	12	40.000	6.189	04
4	12	45.000	4.456	04
4	12	50.000	3.336	04
4	12	60.000	2.038	04
4	12	70.000	1.353	04
4	12	80.000	9.530	03
4	12	90.000	7.013	03
4	12	100.000	5.339	03
4	12	110.000	4.177	03
4	12	120.000	3.341	03
4	12	130.000	2.723	03
4	12	140.000	2.253	03

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Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
4	12	150.000	1.890	03
4	12	160.000	1.604	03
4	12	170.000	1.376	03
4	12	180.000	1.190	03
4	12	190.000	1.038	03
4	12	200.000	9.115	02
4	12	210.000	8.057	02
4	12	220.000	7.164	02
4	12	230.000	6.404	02
4	12	240.000	5.752	02
4	13	0.005	1.059	03
4	13	0.010	4.223	03
4	13	0.015	9.450	03
4	13	0.020	1.667	04
4	13	0.025	2.580	04
4	13	0.030	3.674	04
4	13	0.035	4.938	04
4	13	0.040	6.360	04
4	13	0.050	9.636	04
4	13	0.060	1.343	05
4	13	0.070	1.768	05
4	13	0.080	2.236	05
4	13	0.090	2.745	05
4	13	0.100	3.293	05
4	13	0.110	3.879	05
4	13	0.120	4.502	05
4	13	0.130	5.159	05
4	13	0.140	5.847	05
4	13	0.150	6.562	05
4	13	0.160	7.300	05
4	13	0.170	8.057	05
4	13	0.180	8.829	05
4	13	0.190	9.612	05
4	13	0.200	1.040	06
4	13	0.220	1.199	06
4	13	0.240	1.356	06
4	13	0.260	1.509	06
4	13	0.280	1.658	06
4	13	0.300	1.800	06
4	13	0.350	2.126	06
4	13	0.400	2.406	06
4	13	0.450	2.644	06
4	13	0.500	2.845	06
4	13	0.600	3.156	06
4	13	0.700	3.361	06
4	13	0.800	3.477	06
4	13	0.900	3.529	06
4	13	1.000	3.539	06
4	13	1.200	3.517	06
4	13	1.400	3.515	06
4	13	1.600	3.542	06
4	13	1.800	3.587	06
4	13	2.000	3.639	06
4	13	2.500	3.716	06
4	13	3.000	3.710	06
4	13	3.500	3.647	06
4	13	4.000	3.561	06
4	13	4.500	3.460	06
4	13	5.000	3.353	06
4	13	5.500	3.245	06
4	13	6.000	3.135	06
4	13	6.500	3.020	06
4	13	7.000	2.902	06
4	13	8.000	2.663	06
4	13	9.000	2.420	06
4	13	10.000	2.181	06
4	13	12.000	1.735	06
4	13	14.000	1.352	06
4	13	16.000	1.041	06
4	13	18.000	7.972	05
4	13	20.000	6.121	05
4	13	25.000	3.295	05
4	13	30.000	1.927	05
4	13	35.000	1.229	05
4	13	40.000	8.345	04
4	13	45.000	5.966	04
4	13	50.000	4.441	04
4	13	60.000	2.691	04
4	13	70.000	1.776	04
4	13	80.000	1.246	04
4	13	90.000	9.140	03
4	13	100.000	6.943	03
4	13	110.000	5.422	03
4	13	120.000	4.331	03
4	13	130.000	3.525	03
4	13	140.000	2.915	03
4	13	150.000	2.443	03
4	13	160.000	2.072	03
4	13	170.000	1.776	03
4	13	180.000	1.536	03
4	13	190.000	1.339	03
4	13	200.000	1.175	03
4	13	210.000	1.039	03
4	13	220.000	9.231	02
4	13	230.000	8.250	02
4	13	240.000	7.408	02
4	14	0.005	2.796	03
4	14	0.010	1.117	04
4	14	0.015	2.509	04
4	14	0.020	4.448	04
4	14	0.025	6.926	04
4	14	0.030	9.932	04
4	14	0.035	1.345	05
4	14	0.040	1.747	05
4	14	0.050	2.694	05
4	14	0.060	3.816	05
4	14	0.070	5.097	05
4	14	0.080	6.516	05
4	14	0.090	8.052	05
4	14	0.100	9.684	05
4	14	0.110	1.139	06
4	14	0.120	1.315	06
4	14	0.130	1.494	06
4	14	0.140	1.675	06
4	14	0.150	1.856	06
4	14	0.160	2.034	06
4	14	0.170	2.209	06
4	14	0.180	2.378	06
4	14	0.190	2.542	06
4	14	0.200	2.699	06
4	14	0.220	2.986	06
4	14	0.240	3.236	06
4	14	0.260	3.445	06
4	14	0.280	3.612	06
4	14	0.300	3.739	06
4	14	0.350	3.895	06
4	14	0.400	3.880	06
4	14	0.450	3.771	06
4	14	0.500	3.631	06
4	14	0.600	3.406	06
4	14	0.700	3.307	06
4	14	0.800	3.309	06
4	14	0.900	3.379	06
4	14	1.000	3.452	06
4	14	1.200	3.559	06
4	14	1.400	3.583	06
4	14	1.600	3.541	06
4	14	1.800	3.470	06
4	14	2.000	3.394	06
4	14	2.500	3.243	06
4	14	3.000	3.150	06
4	14	3.500	3.092	06
4	14	4.000	3.040	06
4	14	4.500	2.984	06
4	14	5.000	2.924	06
4	14	5.500	2.858	06
4	14	6.000	2.784	06
4	14	6.500	2.705	06
4	14	7.000	2.622	06
4	14	8.000	2.450	06
4	14	9.000	2.271	06
4	14	10.000	2.091	06
4	14	12.000	1.741	06
4	14	14.000	1.420	06
4	14	16.000	1.140	06
4	14	18.000	9.077	05
4	14	20.000	7.196	05
4	14	25.000	4.066	05
4	14	30.000	2.413	05
4	14	35.000	1.533	05

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
4	14	40.000	1.039	05
4	14	45.000	7.381	04
4	14	50.000	5.461	04
4	14	60.000	3.278	04
4	14	70.000	2.150	04
4	14	80.000	1.501	04
4	14	90.000	1.097	04
4	14	100.000	8.315	03
4	14	110.000	6.480	03
4	14	120.000	5.168	03
4	14	130.000	4.201	03
4	14	140.000	3.470	03
4	14	150.000	2.906	03
4	14	160.000	2.463	03
4	14	170.000	2.109	03
4	14	180.000	1.823	03
4	14	190.000	1.588	03
4	14	200.000	1.394	03
4	14	210.000	1.231	03
4	14	220.000	1.094	03
4	14	230.000	9.774	02
4	14	240.000	8.774	02
4	15	0.005	5.971	02
4	15	0.010	2.387	03
4	15	0.015	5.365	03
4	15	0.020	9.523	03
4	15	0.025	1.485	04
4	15	0.030	2.134	04
4	15	0.035	2.897	04
4	15	0.040	3.771	04
4	15	0.050	5.849	04
4	15	0.060	8.347	04
4	15	0.070	1.124	05
4	15	0.080	1.450	05
4	15	0.090	1.811	05
4	15	0.100	2.202	05
4	15	0.110	2.620	05
4	15	0.120	3.063	05
4	15	0.130	3.527	05
4	15	0.140	4.007	05
4	15	0.150	4.502	05
4	15	0.160	5.007	05
4	15	0.170	5.520	05
4	15	0.180	6.038	05
4	15	0.190	6.558	05
4	15	0.200	7.077	05
4	15	0.220	8.107	05
4	15	0.240	9.112	05
4	15	0.260	1.008	06
4	15	0.280	1.102	06
4	15	0.300	1.190	06
4	15	0.350	1.394	06
4	15	0.400	1.576	06
4	15	0.450	1.740	06
4	15	0.500	1.891	06
4	15	0.600	2.158	06
4	15	0.700	2.373	06
4	15	0.800	2.532	06
4	15	0.900	2.639	06
4	15	1.000	2.702	06
4	15	1.200	2.749	06
4	15	1.400	2.756	06
4	15	1.600	2.768	06
4	15	1.800	2.788	06
4	15	2.000	2.813	06
4	15	2.500	2.876	06
4	15	3.000	2.896	06
4	15	3.500	2.878	06
4	15	4.000	2.839	06
4	15	4.500	2.791	06
4	15	5.000	2.737	06
4	15	5.500	2.680	06
4	15	6.000	2.623	06
4	15	6.500	2.565	06
4	15	7.000	2.503	06
4	15	8.000	2.372	06
4	15	9.000	2.237	06
4	15	10.000	2.094	06
4	15	12.000	1.807	06
4	15	14.000	1.530	06
4	15	16.000	1.277	06
4	15	18.000	1.053	06
4	15	20.000	8.616	05
4	15	25.000	5.172	05
4	15	30.000	3.166	05
4	15	35.000	2.024	05
4	15	40.000	1.367	05
4	15	45.000	9.699	04
4	15	50.000	7.139	04
4	15	60.000	4.245	04
4	15	70.000	2.764	04
4	15	80.000	1.919	04
4	15	90.000	1.398	04
4	15	100.000	1.056	04
4	15	110.000	8.210	03
4	15	120.000	6.535	03
4	15	130.000	5.304	03
4	15	140.000	4.376	03
4	15	150.000	3.661	03
4	15	160.000	3.100	03
4	15	170.000	2.653	03
4	15	180.000	2.291	03
4	15	190.000	1.995	03
4	15	200.000	1.750	03
4	15	210.000	1.545	03
4	15	220.000	1.373	03
4	15	230.000	1.226	03
4	15	240.000	1.100	03
4	16	0.005	2.378	03
4	16	0.010	9.505	03
4	16	0.015	2.135	04
4	16	0.020	3.788	04
4	16	0.025	5.902	04
4	16	0.030	8.469	04
4	16	0.035	1.148	05
4	16	0.040	1.492	05
4	16	0.050	2.306	05
4	16	0.060	3.275	05
4	16	0.070	4.387	05
4	16	0.080	5.624	05
4	16	0.090	6.971	05
4	16	0.100	8.408	05
4	16	0.110	9.917	05
4	16	0.120	1.148	06
4	16	0.130	1.307	06
4	16	0.140	1.468	06
4	16	0.150	1.628	06
4	16	0.160	1.786	06
4	16	0.170	1.941	06
4	16	0.180	2.090	06
4	16	0.190	2.232	06
4	16	0.200	2.367	06
4	16	0.220	2.610	06
4	16	0.240	2.813	06
4	16	0.260	2.974	06
4	16	0.280	3.092	06
4	16	0.300	3.171	06
4	16	0.350	3.220	06
4	16	0.400	3.125	06
4	16	0.450	2.965	06
4	16	0.500	2.798	06
4	16	0.600	2.561	06
4	16	0.700	2.462	06
4	16	0.800	2.466	06
4	16	0.900	2.527	06
4	16	1.000	2.596	06
4	16	1.200	2.716	06
4	16	1.400	2.774	06
4	16	1.600	2.774	06
4	16	1.800	2.741	06
4	16	2.000	2.692	06
4	16	2.500	2.583	06
4	16	3.000	2.512	06
4	16	3.500	2.476	06
4	16	4.000	2.447	06
4	16	4.500	2.421	06
4	16	5.000	2.390	06
4	16	5.500	2.357	06
4	16	6.000	2.322	06
4	16	6.500	2.281	06

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
4	16	7.000	2.238	06
4	16	8.000	2.144	06
4	16	9.000	2.043	06
4	16	10.000	1.938	06
4	16	12.000	1.721	06
4	16	14.000	1.503	06
4	16	16.000	1.294	06
4	16	18.000	1.101	06
4	16	20.000	9.287	05
4	16	25.000	5.932	05
4	16	30.000	3.783	05
4	16	35.000	2.470	05
4	16	40.000	1.673	05
4	16	45.000	1.183	05
4	16	50.000	8.709	04
4	16	60.000	5.133	04
4	16	70.000	3.317	04
4	16	80.000	2.291	04
4	16	90.000	1.661	04
4	16	100.000	1.250	04
4	16	110.000	9.697	03
4	16	120.000	7.703	03
4	16	130.000	6.241	03
4	16	140.000	5.142	03
4	16	150.000	4.296	03
4	16	160.000	3.634	03
4	16	170.000	3.107	03
4	16	180.000	2.682	03
4	16	190.000	2.334	03
4	16	200.000	2.046	03
4	16	210.000	1.806	03
4	16	220.000	1.603	03
4	16	230.000	1.431	03
4	16	240.000	1.284	03
4	17	0.005	4.734	02
4	17	0.010	1.892	03
4	17	0.015	4.252	03
4	17	0.020	7.546	03
4	17	0.025	1.177	04
4	17	0.030	1.690	04
4	17	0.035	2.293	04
4	17	0.040	2.984	04
4	17	0.050	4.621	04
4	17	0.060	6.585	04
4	17	0.070	8.852	04
4	17	0.080	1.140	05
4	17	0.090	1.420	05
4	17	0.100	1.722	05
4	17	0.110	2.044	05
4	17	0.120	2.382	05
4	17	0.130	2.733	05
4	17	0.140	3.095	05
4	17	0.150	3.464	05

n'	n	α	S(α)	
4	17	0.160	3.838	05
4	17	0.170	4.214	05
4	17	0.180	4.590	05
4	17	0.190	4.964	05
4	17	0.200	5.333	05
4	17	0.220	6.053	05
4	17	0.240	6.740	05
4	17	0.260	7.388	05
4	17	0.280	7.996	05
4	17	0.300	8.565	05
4	17	0.350	9.837	05
4	17	0.400	1.096	06
4	17	0.450	1.201	06
4	17	0.500	1.303	06
4	17	0.600	1.503	06
4	17	0.700	1.687	06
4	17	0.800	1.844	06
4	17	0.900	1.968	06
4	17	1.000	2.059	06
4	17	1.200	2.161	06
4	17	1.400	2.199	06
4	17	1.600	2.213	06
4	17	1.800	2.224	06
4	17	2.000	2.237	06
4	17	2.500	2.273	06
4	17	3.000	2.301	06
4	17	3.500	2.302	06
4	17	4.000	2.287	06
4	17	4.500	2.263	06
4	17	5.000	2.236	06
4	17	5.500	2.205	06
4	17	6.000	2.173	06
4	17	6.500	2.141	06
4	17	7.000	2.108	06
4	17	8.000	2.038	06
4	17	9.000	1.961	06
4	17	10.000	1.880	06
4	17	12.000	1.707	06
4	17	14.000	1.528	06
4	17	16.000	1.350	06
4	17	18.000	1.180	06
4	17	20.000	1.022	06
4	17	25.000	6.939	05
4	17	30.000	4.631	05
4	17	35.000	3.114	05
4	17	40.000	2.140	05
4	17	45.000	1.517	05
4	17	50.000	1.112	05
4	17	60.000	6.539	04
4	17	70.000	4.196	04
4	17	80.000	2.879	04
4	17	90.000	2.078	04
4	17	100.000	1.558	04
4	17	110.000	1.205	04

Table IV. THE STARK BROADENING FUNCTIONS, S(α)

n'	n	α	S(α)	
4	17	120.000	9.549	03
4	17	130.000	7.722	03
4	17	140.000	6.352	03
4	17	150.000	5.301	03
4	17	160.000	4.479	03
4	17	170.000	3.826	03
4	17	180.000	3.299	03
4	17	190.000	2.869	03
4	17	200.000	2.513	03
4	17	210.000	2.217	03
4	17	220.000	1.967	03
4	17	230.000	1.755	03
4	17	240.000	1.574	03
4	18	0.005	1.296	02
4	18	0.010	8.862	03
4	18	0.015	1.991	04
4	18	0.020	3.531	04
4	18	0.025	5.500	04
4	18	0.030	7.891	04
4	18	0.035	1.069	05
4	18	0.040	1.390	05
4	18	0.050	2.145	05
4	18	0.060	3.044	05
4	18	0.070	4.072	05
4	18	0.080	5.214	05
4	18	0.090	6.452	05
4	18	0.100	7.769	05
4	18	0.110	9.146	05
4	18	0.120	1.056	06
4	18	0.130	1.200	06
4	18	0.140	1.345	06
4	18	0.150	1.488	06
4	18	0.160	1.628	06
4	18	0.170	1.763	06
4	18	0.180	1.893	06
4	18	0.190	2.016	06
4	18	0.200	2.131	06
4	18	0.220	2.333	06
4	18	0.240	2.496	06
4	18	0.260	2.618	06
4	18	0.280	2.700	06
4	18	0.300	2.745	06
4	18	0.350	2.726	06
4	18	0.400	2.585	06
4	18	0.450	2.400	06
4	18	0.500	2.221	06
4	18	0.600	1.974	06
4	18	0.700	1.868	06
4	18	0.800	1.866	06
4	18	0.900	1.917	06
4	18	1.000	1.981	06
4	18	1.200	2.106	06
4	18	1.400	2.186	06
4	18	1.600	2.216	06
4	18	1.800	2.209	06
4	18	2.000	2.182	06
4	18	2.500	2.100	06
4	18	3.000	2.042	06
4	18	3.500	2.010	06
4	18	4.000	1.994	06
4	18	4.500	1.980	06
4	18	5.000	1.965	06
4	18	5.500	1.948	06
4	18	6.000	1.928	06
4	18	6.500	1.908	06
4	18	7.000	1.885	06
4	18	8.000	1.833	06
4	18	9.000	1.776	06
4	18	10.000	1.715	06
4	18	12.000	1.585	06
4	18	14.000	1.447	06
4	18	16.000	1.307	06
4	18	18.000	1.168	06
4	18	20.000	1.034	06
4	18	25.000	7.419	05
4	18	30.000	5.189	05
4	18	35.000	3.610	05
4	18	40.000	2.538	05
4	18	45.000	1.819	05
4	18	50.000	1.337	05
4	18	60.000	7.832	04
4	18	70.000	5.000	04
4	18	80.000	3.411	04
4	18	90.000	2.449	04
4	18	100.000	1.829	04
4	18	110.000	1.410	04
4	18	120.000	1.114	04
4	18	130.000	8.993	03
4	18	140.000	7.383	03
4	18	150.000	6.152	03
4	18	160.000	5.192	03
4	18	170.000	4.430	03
4	18	180.000	3.816	03
4	18	190.000	3.316	03
4	18	200.000	2.903	03
4	18	210.000	2.559	03
4	18	220.000	2.270	03
4	18	230.000	2.024	03
4	18	240.000	1.815	03

Table V. CONSTANTS FOR SERIES EXPANSION $W(\beta)$

l	Exact Series		Asymptotic Series	
1	-4.6302641	- 1	2.3498579	0
2	1.2259504	- 1	1.2000000	1
3	-2.3809524	- 2	3.3926074	1
4	3.7353035	- 3	0.0000000	
5	-4.9813631	- 4	-7.0290585	2
6	5.8275059	- 5	-5.0400000	3
7	-6.1092333	- 6	-1.9198116	4
8	5.8282712	- 7	0.0000000	
9	-5.1190067	- 8	6.5243597	5
10	4.1770193	- 9	5.7657600	6
11	-3.1896777	-10	2.6545989	7
12	2.2930992	-11	0.0000000	
13	-1.5597771	-12	-1.2584458	9
14	1.0080993	-13	-1.2893126	10
15	-6.2132975	-15	-6.8124613	10
16	3.6634243	-16	0.0000000	
17	-2.0720335	-17	4.1465536	12
18	1.1269608	-18	4.7621142	13
19	-5.9069649	-20	2.8032430	14
20	2.9895512	-21	0.0000000	
21	-1.4634981	-22	-2.0840360	16
22	6.9407984	-24	-2.6266246	17
23	-3.1936126	-25	-1.6898453	18
24	1.4275155	-26		
25	-6.2062324	-28		
26	2.6272722	-29		
27	-1.0840671	-30		
28	4.3640799	-32		
29	-1.7155240	-33		
30	6.5905892	-35		
31	-2.4763221	-36		
32	9.1065994	-38		
33	-3.2799171	-39		
34	1.1577125	-40		
35	-4.0070755	-42		

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