



United States Department of Commerce  
Technology Administration  
National Institute of Standards and Technology

*NIST Special Publication 936*

# *Abstract and Index Collection in the National Institute of Standards and Technology Research Library*

*Diane Cunningham*



**T**he National Institute of Standards and Technology was established in 1988 by Congress to “assist industry in the development of technology . . . needed to improve product quality, to modernize manufacturing processes, to ensure product reliability . . . and to facilitate rapid commercialization . . . of products based on new scientific discoveries.”

NIST, originally founded as the National Bureau of Standards in 1901, works to strengthen U.S. industry’s competitiveness; advance science and engineering; and improve public health, safety, and the environment. One of the agency’s basic functions is to develop, maintain, and retain custody of the national standards of measurement, and provide the means and methods for comparing standards used in science, engineering, manufacturing, commerce, industry, and education with the standards adopted or recognized by the Federal Government.

As an agency of the U.S. Commerce Department’s Technology Administration, NIST conducts basic and applied research in the physical sciences and engineering, and develops measurement techniques, test methods, standards, and related services. The Institute does generic and precompetitive work on new and advanced technologies. NIST’s research facilities are located at Gaithersburg, MD 20899, and at Boulder, CO 80303. Major technical operating units and their principal activities are listed below. For more information contact the Publications and Program Inquiries Desk, 301-975-3058.

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### **Office of the Director**

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- Law Enforcement Standards
- Electricity
- Semiconductor Electronics
- Electromagnetic Fields<sup>1</sup>
- Electromagnetic Technology<sup>1</sup>
- Optoelectronics<sup>1</sup>

### **Chemical Science and Technology Laboratory**

- Biotechnology
- Physical and Chemical Properties<sup>2</sup>
- Analytical Chemistry
- Process Measurements
- Surface and Microanalysis Science

### **Physics Laboratory**

- Electron and Optical Physics
- Atomic Physics
- Optical Technology
- Ionizing Radiation
- Time and Frequency<sup>1</sup>
- Quantum Physics<sup>1</sup>

### **Materials Science and Engineering Laboratory**

- Intelligent Processing of Materials
- Ceramics
- Materials Reliability<sup>1</sup>
- Polymers
- Metallurgy
- NIST Center for Neutron Research

### **Manufacturing Engineering Laboratory**

- Precision Engineering
- Automated Production Technology
- Intelligent Systems
- Fabrication Technology
- Manufacturing Systems Integration

### **Building and Fire Research Laboratory**

- Structures
- Building Materials
- Building Environment
- Fire Safety Engineering
- Fire Science

### **Information Technology Laboratory**

- Mathematical and Computational Sciences<sup>2</sup>
- Advanced Network Technologies
- Computer Security
- Information Access and User Interfaces
- High Performance Systems and Services
- Distributed Computing and Information Services
- Software Diagnostics and Conformance Testing

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<sup>1</sup> At Boulder, CO 80303.

<sup>2</sup> Some elements at Boulder, CO.



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Office of Information Services  
National Institute of Standards and Technology  
Gaithersburg, MD 20899-0001

(Supersedes NIST Special Publication 884)

February 1999



**U.S. Department of Commerce**  
William M. Daley, Secretary

**Technology Administration**  
Gary R. Bachula, Acting Under Secretary for Technology

**National Institute of Standards and Technology**  
Raymond G. Kammer, Director

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National Institute of Standards  
and Technology  
Special Publication 936  
Natl. Inst. Stand. Technol.  
Spec. Publ. 936  
(Supersedes NIST Spec. Publ. 884)  
30 pages (Feb. 1999)  
CODEN: NSPUE2

U.S. Government Printing Office  
Washington: 1999

For sale by the Superintendent  
of Documents  
U.S. Government Printing Office  
Washington, DC 20402

## PREFACE

This publication lists the major abstracts and indexes available in the collection of the Library of the National Institute of Standards and Technology (NIST). It supersedes and revises NIST Special Publication 884, which is dated May 1995. Entries in the main index, which are arranged alphabetically, include the current title of the abstract or index, Library's holdings, major sources used to compile information, publisher or publishing association, corresponding database with NIST Virtual Library availability, call number, and collection/area designation.

Unless otherwise designated, abstracts and indexes are located in the "Abstracts" section on the first floor of the Library. Other areas and locations which include selected abstracts and indexes are designated by the following:

BD JRNL	=located in bound journals
BIOG	=located in the Biography section
M	=located in the Microform Collection
NIST	=located in the NIST Reports Collection
REF	=located in Extended Reference area, check at reference desk for location

In addition to being listed by current title, abstracts and indexes are grouped in a general subject index. They are also listed by their former titles and by their database names.

I wish to thank Karen J. Wick for her able assistance and diligence in preparing this publication.

Diane Cunningham  
Office of Information Services



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# ABSTRACT AND INDEX COLLECTION IN THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY RESEARCH LIBRARY

## ABSTRACTS/INDEXES

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
ACM GUIDE TO COMPUTING LITERATURE	Index to the literature of computing and related disciplines	Association for Computing Machinery (ACM)	QA 76 .C62
1977–	Journals, Books, Proceedings, Reports, Theses	MATHSCI* **	
ASCE ANNUAL COMBINED INDEX	Index to publications of the American Society of Civil Engineers	The American Society of Civil Engineers (ASCE)	TA 1 .A58A48
1975–	Journals, Proceedings, Books	–	
ASFA MARINE BIOTECHNOLOGY ABSTRACTS	Marine applications for biotechnology in aquaculture, phamacotherapy, and environmental management	Cambridge Scientific Abstracts	TP 248.27 .M37A84
v. 5, 1993–v. 7, 1995	Journals, Proceedings, Reports, Books, Patents	–	
ABSTRACT JOURNAL IN EARTHQUAKE ENGINEERING	Comprehensive literature in earthquake hazard mitigation	Earthquake Engineering Research Center	TA 658.44 .A25
v. 1, 1971–v. 26, 1997	Journals	–	
ANALYTICAL ABSTRACTS	International literature dealing with all branches of analytical chemistry	The Royal Society of Chemistry (U.K.)	QD 71 .A49
v. 1, 1954–v. 57, 1995	Journals	ANALYTICAL ABSTRACTS*	
APPLIED MECHANICS REVIEWS	International literature in engineering sciences	American Society of Mechanical Engineers (ASME)	TA 1 .A63953 (1948–1964) BD JRNL
v. 1, 1948–v. 40, 1987; v. 45, 1992–	Journals, Books	–	

\* Some years are available in CD-ROM format.

\*\* Also available on the NIST Virtual Library.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
APPLIED SCIENCE AND TECHNOLOGY INDEX	Cumulative subject index to English language journals in the fields of aeronautics and space science, computer tech- nology, chemistry, construction, energy resources, electricity and electronics, engineering, industrial and mechanical arts, etc.	H. W. Wilson Co.	Z 7913 .I7
v. 1, 1913-	Journals	WILSON APPLIED SCIENCE** AND TECHNOLOGY INDEX	
ASTRONOMY AND ASTRO- PHYSICS ABSTRACTS	Worldwide astronomical publica- tions	Springer Verlag (Germany)	QB 1 .A862
v. 1, 1969-	Journals	-	
AUSTRALIAN SCIENCE INDEX	Scientific and technical literature published in Australian journals	Commonwealth Scientific and Industrial Research Organization (CSIRO) (Australia)	M
v. 22, 1978-v. 27, 1983	Journals	-	
BIOGRAPHY INDEX	Cumulative index to biographical material	H. W. Wilson Co.	Z 5301 .B5 BIOG
v. 1, 1949-v. 41, 1987	Books, Periodicals	BIOGRAPHY INDEX**	
BIOTECHNOLOGY RESEARCH ABSTRACTS	Literature concerning all aspects of biotechnology	Cambridge Scientific Abstracts	TP 248.2 .B582
v. 3, 1986-v. 9, 1992	Journals	-	
BRITISH ABSTRACTS SERIES A, B, C	International literature of all aspects of chemistry	Bureau of Abstracts (U.K.)	QD 1 .B68 BD JRNL
1926-1953	Journals, Proceedings	-	

\*\* Available on the NIST Virtual Library.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
BRITISH CERAMIC ABSTRACTS	International literature of ceramics	British Ceramic Research Ltd.	TP 785 .B58
1978-1988	Patents, Journals	-	
BUILDING SCIENCE ABSTRACTS	Literature of materials, design, and building research	Her Majesty's Stationery Office	TH 1 .G7
v. 1, 1925-v. 49, 1976	Journals, Reports	-	
BUSINESS PERIODICALS INDEX	Index to journals in the fields of accounting, advertising, banking and finance, business, insurance, labor and management, taxation, personnel administration, etc.	H. W. Wilson Co.	HF 5001 .B8
v. 1, 1958-v. 38, 1995	Journals	WILSON BUSINESS PERIODICALS INDEX**	
CA REVIEWS INDEX (CARI)	A key word in context (KWIC) index to all reviews that appear in CHEMICAL ABSTRACTS	Royal Society of Chemistry	QD 1 .A5124 (Shelved with CHEMICAL ABSTRACTS)
v. 86, 1977-v. 97, 1982	Journals	-	
CIS INDEX/ANNUAL	Index to congressional publications	Congressional Information Service (CIS)	KF 49 .C62
1970-1995	Hearings, Public Laws, Reports, Bills	-	
CSIRO ABSTRACTS (Commonwealth Scientific and Industrial Research Organization)	Abstracts of CSIRO published papers and translations	CSIRO Central Information (Australia)	Q 4 .A9
v. 1, 1952-v. 22, 1974	Journals, Reports, Proceedings	-	
CSIRO INDEX	Index of CSIRO published papers and translations	CSIRO Central Information (Australia)	Q 179.9 .A9 (M-Later years only)
1975-1986	Journals, Translations, Reports	-	

\*\* Available on the NIST Virtual Library.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CERAMIC ABSTRACTS	International literature of ceramics	American Ceramic Society	TP 785 .A64
v. 1, 1922–	Journals, Patents, Books	CERAMIC ABSTRACTS	
CHEMICAL ABSTRACTS	Comprehensive worldwide literature of chemistry, including biochemistry and chemical engineering	American Chemical Society	QD 1 .A51 (Located after unbound journals in back of Library)
v. 1, 1907–	Journals, Patents, Books, Reviews	CHEMICAL ABSTRACTS*	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series I: Mathematics, Astronomy, Physics	English abstracts of scientific and technical periodicals in China	International Information Service, Ltd. (Hong Kong)	Q 1 .C45
v. 2, 1981–v. 8, 1987	Periodicals	–	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series II: Chemistry, Earth Science, Energy Sources	English abstracts of scientific and technical periodicals in China	International Information Service, Ltd. (Hong Kong)	Q 1 .C455
v. 6, 1985–v. 8, 1987	Periodicals, Proceedings	–	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series III: Industrial Technology	Comprehensive index to articles in Chinese scientific and technical publications	International Information Service, Ltd. (Hong Kong)	Q 1 .C46
v. 2, 1981; v. 5, 1984–v. 8, 1987	Periodicals	–	
CHINESE SCIENCE ABSTRACTS Part A: Mathematics, Mechanics, Astronomy and Space, Physics, Technical Sciences	Abstracts of important scientific articles from the Chinese literature	Science Press (Beijing)	Q 1 .C42
1982–1989	Periodicals, Proceedings	–	
CHINESE SCIENCE ABSTRACTS Part B: Chemistry, Life Sciences, Earth Sciences	Abstracts of important scientific articles from the Chinese literature	Science Press (Beijing)	Q 1 .C44
1982–1989	Periodicals, Proceedings	–	

\* Some years are available in CD-ROM format.



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CIVIL ENGINEERING HYDRAULICS ABSTRACTS	Worldwide literature of applied fluid mechanics	BHRA (The British Hydro-mechanics Research Association)	TC 1 .C15
v. 3, 1970–v. 20, 1987	Journals, Reports, Proceedings	FLUIDEX	
COMPUTER ABSTRACTS	International literature on computer applications	MCB University Press, Ltd.	QA 76 .C549
v. 4, 1960–v. 39, 1995	Journals, Reports, Patents, Books	–	
COMPUTER AND CONTROL ABSTRACTS (SCIENCE ABSTRACTS Series C)	Worldwide coverage of the literature of all aspects of computers and control	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	TJ 212 .C61
v. 1, 1966–1996	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC***	
COMPUTER LITERATURE INDEX	A subject/author index to computer and data processing	Applied Computer Research, Inc.	QA 76 .C565
v. 13, 1983–v. 26, 1997	Journals	–	
COMPUTING REVIEWS	Critical reviews of the current publications in any area of the computing sciences	Association for Computing Machinery (ACM)	QA 76 .C6
v. 1, 1960–v. 22, 1981; v. 26, 1985–v. 36, 1995	Books, Journals, Proceedings	MATHSCI***	
CONCRETE ABSTRACTS	International literature of developments in concrete and concrete technology	American Concrete Institute	TA 439 .C56
v. 3, 1974–	Journals, Reports, Books	–	
CONSUMERS INDEX TO PRODUCT EVALUATIONS AND INFORMATION SOURCES	Index to product evaluations and general consumer information	Pierian Press	TS 156.25 .C65
v. 4, 1976–v. 17, 1989	Journals	CONSUMERS INDEX**	

\*\* Available on the NIST Virtual Library.

\*\*\* Some years are available in CD-ROM format; also available on the NIST Virtual Library.



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CORROSION ABSTRACTS	Worldwide corrosion control literature	National Association of Corrosion Engineers (NACE) International	TA 462 .C652
v. 1, 1962–	Journals, Proceedings, Reports	–	
CORROSION CONTROL ABSTRACTS	Translation of Russian journal on corrosion and protection against corrosion	Scientific Information Consultants Ltd. (U.K.)	TA 462 .C654
1969–1987	Journals, Patents	–	
CUMULATIVE INDEX TO ASCE PUBLICATIONS	Index to the publications of the American Society of Civil Engineers	American Society of Civil Engineers	TA 1 .A58A5
1961–1974	Journals, Proceedings	–	
CUMULATIVE INDEX TO ENTIRE IEEE GROUP TRANSACTIONS/JOURNALS	Index to the publications of the Institute of Electrical and Electronics Engineers	Nichigai Associates, Inc.	TK 7800 .I51
1948–1971	Journals	–	
CURRENT INDEX TO STATISTICS; APPLICATIONS, METHODS AND THEORY	Comprehensive coverage of statistics, its applications, methods, and theory	American Statistical Association and Institute of Mathematical Statistics	HA 1 .C9
v. 1, 1975–v. 19, 1993	Journals	MATHSCI***	
CURRENT PHYSICS INDEX	International literature concerning all aspects of physics research and index to CURRENT PHYSICS MICROFORM	American Institute of Physics (AIP)	QC 1 .C786
v. 1, 1975–	Journals	SPIN	
CURRENT TECHNOLOGY INDEX	Subject guide to the literature in British technical journals	Bowker-Saur Ltd.	T 1 .C8
v. 3, 1964–v. 16, 1996	Journals	–	
DIRECTORY OF PUBLISHED PROCEEDINGS	Bibliography citing published proceedings	InterDok Corp.	Z 7409 .D56 REF
v. 1, 1964–v. 31, 1996	Proceedings	–	

\*\*\* Some years are available in CD-ROM format; also available on the NIST Virtual Library.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
DISSERTATION ABSTRACTS INTERNATIONAL	Abstracts of international doctoral dissertations from participating universities; master's dissertations for later years	University Microfilms International	Z 5053 .D5 (M-Scattered years)
1861-1996	Dissertations	DISSERTATION ABSTRACTS ONLINE**	
EI ENGINEERING CONFERENCE INDEX	International engineering conference literature	Engineering Information, Inc.	Z 5851 .E6
1983-1984	Proceedings	COMPENDEX***	
ELECTRICAL AND ELECTRONICS ABSTRACTS (SCIENCE ABSTRACTS Series B)	International literature covering all aspects of electrical and electronics engineering	The Institution of Electrical Engineers (U.K.)	Q 1 .S331
v. 1, 1898-1996	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC***	
ELECTROANALYTICAL ABSTRACTS	International journal dealing with the documentation of all aspects of fundamental, physico-chemical and analytical electro-chemistry	Birkhäuser Verlag (Switzerland)	QD 551 .J62
v. 1, 1963-v. 23, 1985	Journals, Reviews, Books	-	
ELECTRONICS AND COMMUNICATIONS ABSTRACTS	Worldwide publications in electronics and communications	Multi-Science Pub. Co. Ltd. (U.K.)	TK 5101 .A1E48
v. 1, 1961-v. 33, 1993	Journals, Proceedings, Unpublished Reports	-	
ENGINEERING DATA BANK ABSTRACTS/INDEX OF REPORTS	Engineering evaluation and qualification test reports, non-standard parts justification data, parts/materials specifications, manufacturing processes, etc.	Government Industry Data Exchange Program (GIDEP)	TS 170 .E5
1977-1988	Reports, Technical Data	GIDEP	

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ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
ENGINEERING INDEX	Transdisciplinary index to the world's engineering literature	Engineering Information, Inc.	Z 5851 .E62
v. 1, 1884-	Journals, Conference Papers	COMPENDEX***	
FAILURE EXPERIENCE DATA BANK SUMMARY	Data on failure information generated whenever significant problems are identified on parts, materials, or safety	Government Industry Data Exchange Program (GIDEP)	TS 173 .F3
1978-1987	Reports, Technical Data	GIDEP	
FIVE-YEAR INDEX TO ASTM TECHNICAL PAPERS AND REPORTS	Index to the publications of the American Society for Testing and Materials	American Society for Testing and Materials (ASTM)	TA 401 .A525 BD JRNL
1898-1970; 1976-1980	Journals, Special Technical Publications	-	
GAS ABSTRACTS	Selected literature on natural and manufactured gas and petroleum production	Institute of Gas Technology	TP 700 .G13
v. 1, 1945- v. 38, 1982	Journals, Patents, Proceedings	-	
GAS & LIQUID CHROMATOGRAPHY LITERATURE	International literature on gas and liquid chromatography	Preston Publications	QD 1 .A1G31
v. 1, 1992-v. 4, 1995	Journals	-	
GAS CHROMATOGRAPHY LITERATURE, ABSTRACTS AND INDEXES	International literature on gas chromatography	Preston Publications	QD 1 .A1G3
v. 2, 1969-v. 24, 1991	Journals, Conference Papers	-	
GIDEP INDEX OF REPORTS	Index to reports from the Government Industry Data Exchange Program	Government Industry Data Exchange Program (GIDEP)	TS 170 .E52
1990-1993	Reports	GIDEP	

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ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
GOVERNMENT REPORTS ANNOUNCEMENTS AND INDEX  v. 1, 1946–v. 95, 1995	Listing of government and government-sponsored research and development reports  Reports, Journals, Proceedings	National Technical Information Service (NTIS)  NTIS*	Z 7916 .B47
INDEX OF MATHEMATICAL PAPERS  v. 1, 1970–v. 9, 1979	An author and subject index of all papers and books reviewed in MATHEMATICAL REVIEWS  Journals, Books	American Mathematical Society  MATHSCI***	QA 1 .M762
INDEX TO IEEE PUBLICATIONS  1973–1995	Index to the publications of the Institute of Electrical and Electronics Engineers  Journals, Standards, Proceedings	Institute of Electrical and Electronics Engineers (IEEE)  –	TK 7800 .I495
INDEX TO SCIENTIFIC AND TECHNICAL PROCEEDINGS  1978–1995	Multidisciplinary listing of published proceedings  Proceedings	Institute for Scientific Information (ISI)  ISTP**	Q 158.5 .I5 REF
INDEX TO SCIENTIFIC BOOK CONTENTS  1986–1987	Index to the chapters in scientific books  Books	Institute for Scientific Information (ISI)  –	Z 7401 .I45
INDEX TO SCIENTIFIC REVIEWS  v. 1, 1975–1987	International interdisciplinary index to the review literature of science, medicine, agricultural sciences, technology, and the behavioral sciences  Journals	Institute for Scientific Information (ISI)  –	Z 7401 .I5
INDEX TO STATISTICS AND PROBABILITY  1973–1975	International literature of statistics and probability  Journals	R & D Press  MATHSCI***	Z 6654 .M33T84

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ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
INFORMATION SCIENCE ABSTRACTS	International literature in the fields of information science, documentation, and related areas	Plenum Pub. Corp.	Z 699 .A115
v. 1, 1966-v. 30, 1995	Books, Journals, Conference Proceedings, Reports, Patents	INFORMATION SCIENCE ABSTRACTS	
INIS ATOMINDEX (International Nuclear Information System)	International literature of nuclear science relating to its peaceful applications	International Atomic Energy Agency (Austria)	QC 770 .I2
v. 6, 1975-v. 26, 1995	Reports, Journals, Theses, Proceedings	ENERGY SCIENCE AND TECHNOLOGY	
INTERNATIONAL ABSTRACTS IN OPERATIONS RESEARCH	Worldwide literature in operations research	Macmillan Press Ltd.	T 58 .A215
v. 1, 1961-v. 47, 1996	Journals	-	
INTERNATIONAL AEROSPACE ABSTRACTS	Comprehensive international literature of aerospace science and technology	American Institute of Aeronautics and Astronautics, Inc.	TL 501 .I53
v. 1, 1961-v. 26, 1986	Journals, Books, Proceedings, Translations	AEROSPACE DATABASE	
INTERNATIONAL CATALOGUE OF SCIENTIFIC LITERATURE	International literature of all sciences	Royal Society of London	Z 7401 .I62 BD JRNL
1901-1914	Journals	-	
INTERNATIONAL PETROLEUM ABSTRACTS	Worldwide coverage of petroleum and allied literature concerning oil field exploration and development, petroleum refining and products, and economics	John Wiley and Sons Ltd.	TN 860 .I53
v. 1, 1973-v. 23, 1995	Journals	-	
JMR ABSTRACTS	A listing of preliminary titles and abstracts scheduled to appear in JOURNAL OF MATERIALS RESEARCH	Materials Research Society	TA 401 .J6775
v. 7, 1992-v. 9, 1994	Journal	-	



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
JAHRBUCH ÜBER DIE FORTSCHRITTE DER MATHEMATIK	Worldwide literature of mathematics	de Gruyter (Germany)	QA 1 .J4 BD JRNL
v. 1, 1868–v. 68, 1942	Journals, Books	–	
JOURNAL OF CURRENT LASER ABSTRACTS	International comprehensive literature on laser theory, design, and application	PennWell Pub. Co.	TA 1671 .J55
v. 1, 1964–v. 33, 1997	Journals, Proceedings, Reports, Patents, Dissertations, Books	–	
JOURNAL OF ECONOMIC LITERATURE	Literature on economic subjects in English language journals	American Economic Association	HB 1 .J6 (M–Earlier Years)
v. 1, 1963–v. 33, 1995	Book Reviews, Journals	ECONLIT**	
LIBRARY AND INFORMATION SCIENCE ABSTRACTS (LISA)	International literature of library and information science	Bowker-Saur Ltd. (U.K.)	Z 671 .L617
1958–1967; 1969–1996	Journals	LISA	
LIBRARY LITERATURE	Author and subject index to materials on library and information science	H. W. Wilson Co.	Z 666 .S211
1921–1986	Journals, Books, Pamphlets, Films, Theses	WILSON LIBRARY LITERATURE**	
MATERIALS IN TRANSLATION	Listing of materials science translations	The Institute of Materials/ ASM International	QD 171 .M38
v. 1, 1994–v. 2, 1995	Translations	–	
MATHEMATICAL REVIEWS	International coverage and reviews of the literature of mathematics	American Mathematical Society	QA 1 .M76
v. 1, 1940–1996	Journals, Books, Proceedings	MATHSCI***	

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ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
MEDICAL & PHARMACEUTICAL BIOTECHNOLOGY ABSTRACTS	Worldwide literature on applications of biotechnology in medicine and pharmacology	Cambridge Scientific Abstracts	RS 380 .M43
v. 1, 1993–	Journals, Proceedings, Reports, Books, U.S. patents	–	
METAL FINISHING ABSTRACTS	International literature of metal finishing including extensive patent information	Finishing Publications Ltd. (U.K.)	TS 550 .M32
v. 1, 1959–v. 27, 1985	Journals, Patents, Books, Reports	–	
METALLURGICAL ABSTRACTS	International literature covering the whole field of metallurgy	The Metals and Metallurgy Trust (U.K.)	TN 1 .I58
v. 1, 1934–v. 32, 1965; v. 1, 1966–v. 2, 1967	Journals, Reports	–	
METALS ABSTRACTS INDEX	Worldwide comprehensive literature on metallurgy	The Institute of Materials (U.K.)/ ASM International	TN 1 .M5153
v. 1, 1968–v. 29, 1996	Journals, Books, Reports, Proceedings, Dissertations, Patents	METADEX	
METROLOGY DATA BANK INDEX	Index to government and industry data in metrology which is essential in research, design, development, production, and operational phases of the life cycle of systems and equipment	Government Industry Data Exchange Program (GIDEP)	QC 100.5 .U5
1976–1984	Reports, Technical Data	GIDEP	
MICROCOMPUTER ABSTRACTS	A subject index to articles in microcomputer journals	Learned Information, Inc.	QA 76.5 .M52181
v. 1, 1980–v. 16, 1995	Journals	MICROCOMPUTER ABSTRACTS**	
MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS	Publication listings of U.S. Government agencies	U.S. Government Printing Office (GPO)	Z 1223 .A18 (M–Earlier years)
1895–1976	Reports, Books, Serials	MONTHLY CATALOG/GPO**	

\*\* Available on the NIST Virtual Library.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
NASA SCIENTIFIC AND TECHNICAL PUBLICATIONS	Catalog of NASA special publications, reference publications, conference publications, and technical papers	National Aeronautics and Space Administration, Scientific and Technical Information Division	TL 521.312 .N3
1977-1986	Reports, Proceedings	-	
NATIONAL BUREAU OF STANDARDS INDEX	Index to the National Bureau of Standards (NBS) documents on file in the GIDEP Technical Library	Government Industry Data Exchange Program (GIDEP)	QC 100 .U575
1979	Reports	-	
NUCLEAR SCIENCE ABSTRACTS	Worldwide comprehensive literature of nuclear science	U.S. Department of Energy	QC 770 .U64 BD JRNL
v. 1, 1948-v. 33, 1976	Reports, Books, Proceedings, Patents, Journals	NUCLEAR SCIENCE ABSTRACTS	
OR/MS OPERATIONS RESEARCH/MANAGEMENT SCIENCE	International literature of operation research and management science	Executive Sciences Institute, Inc.	HD 20 .06
v. 9, 1969-v. 29, 1989	Journals	-	
PAIS INTERNATIONAL IN PRINT	Worldwide literature related to economic and social conditions, public administration, and international relations	Public Affairs Information Service, Inc.	Z 7163 .P9
v. 55, 1969-1991	Books, Pamphlets, Government Publications, Reports, Journals	PAIS INTERNATIONAL**	
PHYSICS ABSTRACTS (SCIENCE ABSTRACTS Series A)	International literature covering the entire field of physics (incorporates PHYSICS BRIEFS from 1995-)	The Institution of Electrical Engineers (U.K.)	Q 1 .S311
v. 1, 1898-	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC***	
PHYSICS BRIEFS; PHYSIKALISCHE BERICHTE	Worldwide literature covering all fields of physics and related topics	Physik Verlag GmbH (West Germany)	QC 1 .P68 (1920-1978) BD JRNL
v. 1, 1920-v. 5, 1983	Journals, Books, Patents, Reports, Theses, Proceedings	PHYSICS BRIEFS	

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\*\*\* Some years are available in CD-ROM format; also available on the NIST Virtual Library.



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
PRINTED CIRCUITS AND ELECTRONICS COATINGS ABSTRACTS	Comprehensive world coverage of the literature of surface treatments and finishing	Finishing Publications Ltd. (U.K.)	TK 7868 .P7P74
v. 7, 1991–v. 9, 1993	Journals, Patents, Standards, Books, Reports	–	
PUBLICATIONS OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY	A comprehensive listing of technical publications by the U.S. National Institute of Standards and Technology (formerly National Bureau of Standards)	U.S. National Institute of Standards and Technology/GPO	QC 100 .U57 SP305 NIST
1901–	Reports, Journals, Proceedings, Patents	NTIS*	
RAPRA ABSTRACTS	World's literature in rubber, plastics, and associated fields	Rubber and Plastics Research Association of Great Britain	TS 1870 .R61
v. 2, 1924–v. 19, 1982	Journals, Patents	RAPRA ABSTRACTS	
READERS' GUIDE TO PERIODICAL LITERATURE	Cumulative author-subject index to periodicals of general interest covering a wide variety of general subjects	H. W. Wilson Co.	AI 3 .R4
v. 29, 1969–v. 55, 1995	Periodicals	WILSON READERS' GUIDE ABSTRACTS**	
REFERATIVNYI ZHURNAL: FIZIKA	World's literature in physics	Akademiya Nauk SSSR	QC 1 .A419
1960–1990	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: MATEMATIKA	World's literature in mathematics	Akademiya Nauk SSSR	QA 1 .A373
1966–1993	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: MEKHANIKA	World's literature in mechanics	Akademiya Nauk SSSR	QC 1 .A41
1956–1993	Journals, Books, Patents	–	

\* Some years are available in CD-ROM format.

\*\* Available on the NIST Virtual Library.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
REFERATIVNYI ZHURNAL: METALLURGIYA	World's literature in metals	Akademiya Nauk SSSR	TN 1 .R4
1984-1987	Journals, Books, Patents	-	
RELIABILITY—MAINTAINABILITY DATA INTERCHANGE	Reliability and maintainability data on parts, components, assemblies, equipment, etc.	Government Industry Data Exchange Program (GIDEP)	TS 173 .R45
1978-1989	Reports, Technical Data	GIDEP	
REVIEWS IN COMPLEX ANALYSIS	Reviews on complex analysis which appear in MATHEMATICAL REVIEWS	American Mathematical Society	QA 1 .M761
1980-1986	Journals	MATHSCI***	
RHEOLOGY ABSTRACTS	Worldwide literature in the science and practice of rheology	British Society of Rheology/Pergamon Press	QC 189 .R53
v. 1, 1958-v. 38, 1995	Journals	-	
ROBOTICS ABSTRACTS	Literature on robot research, design and application in industrial and non-industrial settings	Bowker A&I Pub.	TS 191.8 .R55
v. 1, 1983-v. 8, 1990	Journals	-	
ROBOTICS TECHNOLOGY ABSTRACTS	Worldwide literature on the manufacture and use of robots	Cranfield Press (U.K.)	TS 191.8 .R64
v. 3, 1984-v. 6, 1987	Journals, Reports, Patents, Proceedings	-	
ROYAL SOCIETY OF LONDON. CATALOGUE OF SCIENTIFIC PAPERS	Index to nineteenth century scientific papers	Her Majesty's Stationery Office (HMSO) (U.K.)	Z 7403 .R88
v. 1, 1867-v. 19, 1925	Journals, Transactions	-	
SCIENCE CITATION INDEX	International interdisciplinary index to the literature of chemistry, physics, medicine, agriculture, technology, etc.	Institute for Scientific Information (ISI)	Z 7401 .S365
1945-	Journals	SCISEARCH***	

\*\*\* Some years are available in CD-ROM format; also available on the NIST Virtual Library.



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS	Comprehensive worldwide literature on the science and technology of space and aeronautics	U.S. National Aeronautics and Space Administration (NASA)	TL 787 .U51
v. 1, 1963–v. 29, 1991	Reports, Patents, Dissertations	AEROSPACE DATABASE	
SEVENTY-SEVEN YEAR INDEX—TECHNICAL PAPERS (AMERICAN SOCIETY OF MECHANICAL ENGINEERS)	Index to the publications of the American Society of Mechanical Engineers	American Society of Mechanical Engineers	TJ 1 .A774
1880–1956	Journals	—	
SOLID STATE ABSTRACTS JOURNAL	Comprehensive coverage of the world literature on the theory, production, and use of solid state materials and devices	Cambridge Communication Corp.	TK 7800 .S42
v. 1, 1957–v. 9, 1968	Journals, Books, Reports, Patents, Dissertations, Proceedings	—	
STATISTICAL THEORY AND METHOD ABSTRACTS	International literature of statistical mathematics	International Statistical Institute	HA 1 .S764
v. 1, 1959–	Journals, Reports, Proceedings	—	
SURFACE TREATMENT TECHNOLOGY ABSTRACTS	International literature of metal finishing, surface-treatment, printed circuits, and electronics coatings	Finishing Publications Ltd. (U.K.)	TP 155.7 .S83
v. 28, 1986–v. 37, 1995	Journals, Patents, Books, Reports	—	
THEORETICAL CHEMICAL ENGINEERING	Listing of abstracts in the chemical engineering literature	The Royal Society of Chemistry (U.K.)	TP 1 .T47
v. 1, 1964–v. 32, 1995	Journals, Reports, Books	—	
TRANSLATIONS INDEX	Translations into English of technical papers on metals and materials	Institute of Metals/ASM International	QD 171 .A6
v. 1, 1977–v. 17, 1993	Journals	—	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
TRANSLATIONS REGISTER INDEX	Listing of unpublished translations into English from the world literature of the natural, physical, medical, and social sciences	National Translations Center	Z 7401 .T7
v. 1, 1967–v. 20, 1986	Journals	–	
U.S. NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. LISTS OF ITS TECHNICAL MEMORANDA, TECHNICAL NOTES, AND WAR TIME REPORTS	List of reports published by NACA (U.S. National Advisory Committee for Aeronautics)	U.S. National Advisory Committee for Aeronautics	TL 787 .U51
v. 1, 1936–v. 2, 1948	Reports	–	
U.S. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. INDEX OF NASA TECHNICAL PUBLICATIONS	Listing of unclassified NASA/ NACA technical publications	U.S. National Aeronautics and Space Administration (NASA)	Z 5063 .U592
1915–1961	Reports	–	
WORLD CERAMICS ABSTRACTS	International literature of ceramics	CERAM Research (U.K.)	TP 785 .W67
1978–	Patents, Journals	WORLD CERAMICS ABSTRACTS	
WORLD SURFACE COATINGS ABSTRACTS	International literature on paints, varnishes, and allied industries	Paint Research Association (U.K.)/Pergamon Press	TP 934 .R4
v. 42, 1969–v. 65, 1992	Reports, Patents, Standards, Journals	–	
WORLD TEXTILE ABSTRACTS	Worldwide literature of textiles and the textile industry	Elsevier Science Publishers Ltd. (U.K.)	TS 1300 .W6
v. 1, 1969–v. 27, 1995	Journals, Proceedings, Patents, Standards, Books, Reports	WORLD TEXTILES	
WORLD TRANSINDEX	Translations of literature relating to all fields of science and technology	International Translations Centre (The Netherlands)/ British Lending Library	Z 7401 .W62
1967–1982	Journals	–	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
WORLD TRANSLATIONS INDEX	Translations in all fields of science and technology	International Translations Centre	Z 7401 .W63
v. 1, 1987–v. 10, 1996	Journals	–	
ZENTRALBLATT FÜR MATHEMATIK UND IHRE GRENZGEBIETE: MATHE- MATICS ABSTRACTS	Worldwide literature in mathematics	Springer Verlag (Germany)	QA 1 .Z5
v. 1, 1931–v. 358, 1978	Books, Journals, Proceedings	MATH	

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Engineering Index  
Government Reports Announcements and Index  
International Aerospace Abstracts  
NASA Scientific and Technical Publications  
Science Citation Index  
Scientific and Technical Aerospace Reports  
U.S. National Advisory Committee for Aeronautics. Lists of its  
Technical Memoranda, Technical Notes, and War Time Reports  
U.S. National Aeronautics and Space Administration: Index of  
NASA Technical Publications

Agriculture and Agricultural Engineering

Chemical Abstracts  
EI Engineering Conference Index  
Engineering Index  
Government Reports Announcements and Index  
Science Citation Index

Architecture and Design

EI Engineering Conference Index  
Engineering Index

Biography

Biography Index

Biotechnology

Biotechnology Research Abstracts  
Medical & Pharmaceutical Biotechnology Abstracts

Building and Construction

ASCE Annual Combined Index  
Building Science Abstracts  
Concrete Abstracts  
Cumulative Index to ASCE Publications  
EI Engineering Conference Index  
Engineering Index

Business, Economics, Management

Business Periodicals Index  
Journal of Economic Literature  
OR/MS Operations Research/Management Science  
PAIS International in Print

Ceramics

British Ceramic Abstracts  
Ceramic Abstracts  
World Ceramics Abstracts

Chemistry and Chemical Engineering

Analytical Abstracts  
British Abstracts, Series A, B, C  
British Ceramic Abstracts  
CA Reviews Index  
Ceramic Abstracts  
Chemical Abstracts  
China Science and Technology Abstracts Series II



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Gas Abstracts  
Gas & Liquid Chromatography Literature  
Gas Chromatography Literature, Abstracts and Indexes  
Government Reports Announcements and Index  
JMR Abstracts  
Nuclear Science Abstracts  
RAPRA Abstracts  
Science Citation Index  
Surface Treatment Technology Abstracts  
Theoretical Chemical Engineering  
World Ceramics Abstracts  
World Surface Coatings Abstracts

### Civil Engineering

ASCE Annual Combined Index  
Abstract Journal in Earthquake Engineering  
Civil Engineering Hydraulics Abstracts  
Corrosion Abstracts  
Concrete Abstracts  
Cumulative Index to the ASCE Publications  
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Engineering Data Bank Abstracts/Index of Reports  
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### Computer Science

ACM Guide to Computing Literature  
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Computer Literature Index  
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Information Science Abstracts  
International Abstracts in Operations Research  
Microcomputer Abstracts  
OR/MS Operations Research/Management Science

### Consumer Information

Consumer Index to Product Evaluations and Information Sources

### Earth and Space

Astronomy and Astrophysics Abstracts  
China Science and Technology Abstracts Series II  
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# GENERAL SUBJECT INDEX

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PAIS International in Print  
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Scientific and Technical Aerospace Reports  
U.S. National Advisory Committee for Aeronautics. Lists of its  
Technical Memoranda, Technical Notes, and War Time Reports  
U.S. National Aeronautics and Space Administration. Index of  
NASA Technical Publications

Information Science

Information Science Abstracts  
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Instrumentation

EI Engineering Conference Index  
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CIS Index/Annual  
PAIS International in Print

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Atomic Absorption and Flame Emission Spectroscopy Abstracts		Atomic Absorption and Emission Spectrometry Abstracts
British Technology Index		Current Technology Index
CARI		CA Reviews Index
CSIRO Science Index		CSIRO Abstracts
Channel		Civil Engineering Hydraulics Abstracts
Chemical Abstracts Reviews Index		CA Reviews Index
COMPENDEX		EI Engineering Conference Index Engineering Index
Current Physics Microform		Current Physics Index
Documentation Abstracts		Information Science Abstracts
ECONLIT		Journal of Economic Literature
Energy Science and Technology		INIS Atom Index
Finishing Abstracts		Metal Finishing Abstracts
FLUIDEX		Civil Engineering Hydraulics Abstracts
GIDEP		Engineering Data Bank Abstracts/Index of Reports Failure Experience Data Index GIDEP Index of Reports Metrology Data Bank Index Reliability-Maintainability Data Interchange
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Institute of Petroleum Abstracts		International Petroleum Abstracts

## FORMER TITLE/DATABASE NAME INDEX

Former Title/Database Name	See	Current Title
Library Science Abstracts		Library and Information Science Abstracts
LISA		Library and Information Science Abstracts
MATH		Zentralblatt für Mathematik und ihre Grenzgebiete: Mathematics Abstracts
MATHSCI		ACM Guide to Computing Literature Current Index to Statistics Index of Mathematical Papers Index to Statistics and Probability Mathematical Reviews Reviews in Complex Analysis
METADEx		Metals Abstracts Index
NTIS		Government Reports Announcements and Index Publications of the National Institute of Standards and Technology
PAIS		PAIS International in Print
PAIS Bulletin		PAIS International in Print
Physikalische Berichte		Physics Abstracts Physics Briefs; Physikalische Berichte
Referativnyi Zhurnal; Korroziya i Zashchita ot Korrozii		Corrosion Control Abstracts (Translation)
Science Abstracts Series A		Physics Abstracts
Science Abstracts Series B		Electrical and Electronics Abstracts
Science Abstracts Series C		Computer and Control Abstracts
SCISEARCH		Science Citation Index
Semiconductor Electronics		Solid State Abstracts Journal
SPIN		Current Physics Index
STAR		Scientific and Technical Aerospace Reports
U.S. Atomic Energy Commission. Abstracts of Declassified Documents		Nuclear Science Abstracts
Wilson Business Periodicals Index		Business Periodicals Index
Wilson Readers' Guide Abstracts		Readers' Guide to Periodical Literature

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