Physics and Astronomy

**E-BOOKS**

**Knovel:** Full-text collection of science and engineering reference handbooks, databases, and conference proceedings. Physics-related topics are included under Aerospace, Environment, Mechanics, and Electronics.

**My iLibrary:** Provides full-text access to Springer e-books. Specialized and general resources on all aspects of physics.

**Books 24x7:** Full-text coverage of e-books on engineering and emerging technologies.

**DICTIONARIES AND ENCYCLOPEDIAS**


**HANDBOOKS**


**Concise Handbook of Mathematics and Physics.** Boca Raton, Fla., CRC Press, 1997. A cross-referenced handbook of all the major aspects of modern physics and mathematics including fundamental definitions, formulas, axioms and theorems. REF QC61.A4813

**GENERAL**


Contact: Pearl Jacobson 613-520-2600, ext. 1354 www.library.carleton.ca 2010
This 3-volume set is a comprehensive examination of the theory and current practice of medical imaging.
RC78.7.D53H36

A composite collection of data in many disciplines, intended as a relatively compact data source for use in the laboratory, directed toward a very broad audience, both student and scientist.
REF QC61.J36

QC61 .P65 2007

INDEXES AND ABSTRACTS

Please use the Library’s databases by subject for access.

INSPEC. 1896–
The world's largest bibliographic database in the field of physics, electrical engineering and electronics, computers and control engineering, and information technology.

Embase/Medline. 1974/1966–
Provides comprehensive coverage of biomedical literature including medical physics and related disciplines.

MathSciNet. 1940–
Produced by the American Mathematical Society, this comprehensive database covering the world's mathematical literature and related areas (including physics).

The major English language print index to journal articles and conference proceedings in all areas of physics. Use Inspec for material published after 1995.
STO QC1.S32

Web of Science (Science Citation Index). 1945–

FORMULAS AND MEASUREMENTS

QC82.J4 1992

Also available online via the library catalogue.
REF QC82.F428 2002

REF QC61.W67

QC718.D58 2001

HISTORY

A comprehensive one-volume history of twentieth-century physics, covering topics as diverse as the discovery of X-rays in the mid-1890s to superstring theory in the 1990s.
QC7.K7

A survey of the main strands of twentieth century physics, telling the story of the major discoveries and the people who made them, largely through the work of the Nobel prize winners in physics.
QC7.A26

QC7.B68 2002

Documents the development of theoretical physics since the nineteenth century, focusing on innovative concepts and important achievements.
STF QC7.D35

QC15.W4 1988

ASTRONOMY/ASTROPHYSICS

QB461.K75 2001

Detailed information and data on the planets of the solar system and their satellites. Includes historical references and biographical material.
QB601.B36
Includes detailed tables of the most recent data on general constants and units, atoms, molecules, spectra, observational astronomy at all wavelengths from radio to gamma-rays, and neutrinos, and cosmology.
QB461.A564 2000


The definitive all-sky atlas comprising one million stars to visual magnitude 11 from the Hipparcos and Tycho Catalogues and 10,000 nonstellar objects.
REF QB65.S62

REF QB501.E53 2007

Detailed reference of all named minor planets. Discusses the discovery of all 10,666 minor planets numbered up to June 1999.
REF QB651.S3 1999

A comprehensive reference to the fundamental formulae employed in astronomy, astrophysics and general physics.
QB461.L36 1999


Features high-resolution electronic images of the terminator area of the Moon under 47 different illuminations. Describes and illustrates the techniques of lunar observing and the types of landforms.
G1000.31.A4W4

REF QB980.5.R68