
This guide is intended to help you get started in your search for Mathematics information at the Library of Science and Medicine (LSM). For more comprehensive information, find Research Resources, then Subject Research Guides on the Rutgers Libraries home page:

http://www.libraries.rutgers.edu/rul/rr_gateway/research_guides/research_guides.shtml.

For further information on our resources or guidance on searching a specific topic, please consult a reference librarian.

Find an article

Indexes and Databases: tell you what journal articles have been written on a subject or by a particular author and lead you to the most up-to-date research.

- The most important tool for searching mathematics literature is **MathSciNet** (1940-present). Click on “Find Articles” on the Rutgers University Libraries web page. Then select “Indexes and Databases”; all titles are accessible from on-campus computers. Rutgers faculty, staff, and students can access databases from off-campus; click on “Connect from Home” on the Libraries web page.
- Another tool for searching mathematics literature is **Google Scholar** (<http://scholar.google.com>). Google Scholar is a free database on the web and provides access to many full text articles. This feature enables users to search articles from many academic publishers and preprint repositories. The “citations citing” feature is similar to Science Citation Index in Web of Science.
- For literature published between 1930 and 1940, consult Zentralblatt für Mathematik und ihre Grenzgebiete, 1931-1994 (**Annex QA1 .Z4**) or access Zentralblatt Math online at <http://www.zentralblatt-math.org/zmath/en/> for free limited usage.

Journals

Rutgers University Libraries carry an extensive collection of journals in Mathematics. Most mathematics journals are located at the **Mathematical Sciences Library**. A few are located at **LSM**. Many journals are available online and can be accessed through **IRIS**, our online catalog (<http://www.iris.rutgers.edu>). If the journal title is not found in IRIS, then check the **A-Z List** under electronic journal lists (http://www.libraries.rutgers.edu/rul/rr_gateway/ejournals/ejournals.shtml).

Internet Sources

The following is a selective list of Internet sources on Mathematics:

- <http://www.ams.org/global-preprints/> -Directory of Mathematics Preprint and e-Print Servers by American Mathematical Society
- <http://eprintweb.org> -IOP Eprintweb.org Beta: an e-print service based on arXiv.org from Cornell University
- <http://www.math.u-psud.fr/~paserv/> - Probability Abstract Service
- <http://www.mathpreprints.com/math/Preprint/show/index.htm> - Fields Medals and Rolf Nevanlinna Prize
- <http://www.ams.org/mathweb/> - Math on the Web (American Mathematical Society) - links to dictionaries, handbooks, directories and other reference tools.
- <http://mathworld.wolfram.com/> - Eric Weisstein's World of Mathematics
- <http://genealogy.math.ndsu.nodak.edu/> Mathematics Genealogy Project

Reference Books

Reference Books are shelved in the Reference section of each library and are identified by the notation **REF** on their Call Number. Circulating books are marked **Stacks** in IRIS and are shelved separately. Reserves can be found at the Circulation/Reserve desk. The following are a few of the Mathematics reference books at **LSM** and **Math**.

Dictionaries/Encyclopedias

- CRC concise encyclopedia of mathematics, **MATH REF QA5.W45 2003**
- Dictionary of mathematics terms, **MATH REF QA5.D69 1995**
- Elsevier's dictionary of computer science and mathematics, **LSM REF QA76.15.D44313 1995**
- Current Mathematical Publications (current 3 years only) **MATH REF QA36 C85**
- Handbook of mathematical formulas and integrals, **MATH REF QA47.J38 2004**
- Mathematical handbook for scientists and engineers, **LSM REF QA40.K598 1968**
- McGraw-Hill dictionary of Mathematics, **LSM REF QA5.M425 1997**