



Calculus (Mathematics 71)

To browse for books dealing with various aspects of mathematics, go to the following call number areas:

QA 300 – 316

Calculus

QA 28 – 29

Mathematicians

Using the Online Catalog

Books related to mathematics can be located by doing a KEYWORD or SUBJECT search in the [library catalog](#).

Subject Search Terms: calculus; mathematics; mathematicians etc. To find information on a specific mathematician type last name, first name.

Browsing the book collection

Keyword Search Terms: vector analysis; differential equations; integral equations etc.

Reference Books

Ref QA 5.T34 2005

Encyclopedia of Mathematics

Ref Q 141.D5

Dictionary of Scientific Biography

Ref Q 141 .B528 2000

Biographical Dictionary of Scientists

(index of people associated with certain functions, theories, etc.)

Ref Q 141.N73 1995

Notable Twentieth Century Scientists

(use the Field Index and Ethnicity Index in v. 4)

Ref Q 141 .S6285 2003

African Americans. in Science, Math & Invention

Ref Q141 .W367 1999

Black Women Scientists in the US

Ref QA 28 .B544 1999

Biographical Encyclopedia of Mathematicians

(note the bibliographies at end of articles)

Finding Magazine, Journal and Newspaper Articles

To find magazine, newspaper or scholarly journal articles regarding your topic, search in one of the following databases using your chosen topic's subject heading or keywords.

You can access databases from on-campus, off-campus and the wireless network at <http://www.sjcc.edu/library>. You will need to enter your name and student ID number to log in.

Expanded Academic ASAP

Magazines and academic journals can be found here. Start with a [Browse Subject](#) Search to find articles on your topic or person. For example, type *mathematicians* in the FIND box. You may also want to limit results of your search to "documents with full text" by putting a check mark in the box. You may then want to narrow your focus by looking at "subdivisions" such as *biography* or *related subjects*. If you do not find articles that you can use, try doing an [Advanced Search](#), and combine keywords on specific aspects of your topic.

Science Resource Center

Articles from reference books, magazines and journals can be found here. For example, try a [Subject search](#) on *calculus*. When you get your list of resources, you can narrow your focus by using the links on the left of the screen. If you don't find what you are looking for, try an [Advanced Search](#). Use the pull down arrows on the search boxes to search *keywords* or the "full-text" of articles. To find articles on a specific mathematician, do a [Person Search](#). Note all the ways you can limit your search by ethnicity, gender etc.

LexisNexis

This database contains full-text articles from U.S. and international newspapers, magazines and trade journals. Try clicking on the "Power Search" tab and then enter a search in the box. For example, type *sudoku* and "*magic squares*" (phrases, like "magic squares" need to be in quotation marks).

Finding Good Web Sites

www.maa.org Mathematical Association of America

Beware of the Web. Unless you are an expert on your topic, it may be difficult to find a reliable site using Google or Yahoo. From the Library Home Page, click [Research Aids](#) and then, [Best Web Sites](#) to find search engines such as, [IPL2 \(Internet Public Library\)](#) to find evaluated websites. Your search will generate fewer, but better quality sites.

Hint for limiting **Google** results. Try doing an [advanced search](#) and limit the domain to .edu or .gov sites. Do this by entering the search terms or phrases in the boxes at the top of the screen and then go down to the box labeled "Domain" and enter .edu or .gov. (not both at the same time). Educational and government sites have more oversight and may be more authoritative.

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