Overview

The collection's primary function is to support research and teaching programs in the area of Mathematics based on the research interests of the Department of Mathematics.

Subject areas supported

Research focus areas include:

Algebraic Geometry, Algebraic Manifolds, Algebraic Number Theory, Applied Partial Differential Equations, Classical Groups, Commutative Algebra, Computational Mathematics, Convex Analysis and Nonsmooth Optimization, Differential Geometry, Equations and Linear Algebra, Financial Engineering, Fluid Dynamics, Fractals and Wavelets, Geometric Analysis, Harmonic Analysis, Image Processing, Mathematical Physics, Mathematical Biology, Moduli of Algebraic Manifolds and Hodge Theory, Nonlinear Evolution Equations, Nonlinear Analysis on Manifolds, Numerical Analysis, Operator Algebra, Optimization, Inverse Problems, Several Complex Variables

The faculty offers B.Sc., M.Sc., M.Phil., and Ph.D. degrees.

Intellectual Level

Collected in general

- Basic
- General Academic
- Advanced Academic
- Professional

Levels not collected

- Juvenile
- Popular

Formats collected

Formats and materials acquired, in general, electronic format is preferred.

- Conference proceedings
- Conference Monograph
- Festschriften
- Monographic series
- Periodicals
- Reference works
- Academic monographs
- Biography/Autobiography
- Classroom Anthology
- Collected Works
- Correspondence
- Curriculum Guide
- Field Guide
- Lab Manual
- Periodical Anthology
- Programmed Text
- Revised Dissertation

Formats and materials collected selectively or by request

- Audio-visual material
- Textbooks are generally excluded unless requested by faculty.
- Formats that are not otherwise specified above (such as cartoons, festschriften,
 ephemera, etc.) will only be considered upon special request on a case-to-case basis.

Languages collected

Materials collected are primarily in English and Chinese.

Materials in other languages will only be considered upon special request on a case-tocase basis.

Chronological and geographical focus

Current materials are emphasized.

Useful Links

Library Subject Guide: http://libguides.lib.cuhk.edu.hk/maths_stats

Collection Development Policy: <u>https://www.lib.cuhk.edu.hk/en/collections/policy/</u>

Liaison Librarian

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