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Mathematics Library News 4

Aaron Lercher

alerche1@lsu.edu, *alerche1@lsu.edu*

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Mathematics library news 4 October 2008

Requested Mathematics Titles for LSU Libraries: An Overview

Over the past year and a half, we have received 43 requests for Mathematics titles. Of these 32 have arrived (including one 4-volume set) and 9 are currently (10/8/08) on order.

2 were out of stock and unavailable: *Caps*, *Evolution Equations in Scales of Banach Spaces* and Tanabe, *Functional Analytic Methods for Partial Differential Equations*.

The average time between a request and when a book is entered into the LSU catalog is 5 months. But this time varies by availability of book funds. In the Fall semester, when money is budgeted for book purchases, the delay is usually only 2 months.

Requested books broke down by major areas of Mathematics and other sciences in Library of Congress classifications:

- Algebra (QA150-255): 4
- Probability and Statistics (QA273-279): 1
- Analysis (QA299.6-433): 24
- Geometry (QA440-699): 5
- Physics (QC): 3
- General Biology (QH): 1
- Mechanics (TJ): 1

4 Others are classified in QA1 because they are parts of monograph series, so are not classified by subject.

Math Reviews Statistical Highlights

5 Primary Mathematics Subject Classes with fastest growth rates 1960-2006 (among classes covering entire period)

68 Computer Science	9.8%
92 Mathematical Biology	8.3%
86 Geophysics	7.0%
49 Calc of Variations	7.0%
83 Relativity & Gravitation	6.2%

5 Primary MSCs with slowest growth rates 1960-2006 (among classes covering entire period)

40 Sequences & Series	-0.07%
85 Astrophysics	-0.04%
44 Integral Transforms	-0.03%
12 Field Theory	0.4%
55 Algebraic Topology	0.5%

5 Primary MSCs with fastest growth rates 1997-2006 (among classes covering entire period)

92 Mathematical Biology	14.0%
94 Information & Comm	11.5%
39 Finite Diff & Funct Equa	6.7%
86 Geophysics	5.1%
26 Real Functions	5.0%

5 Primary MSCs with slowest growth rates 1997-2006 (among classes covering entire period)

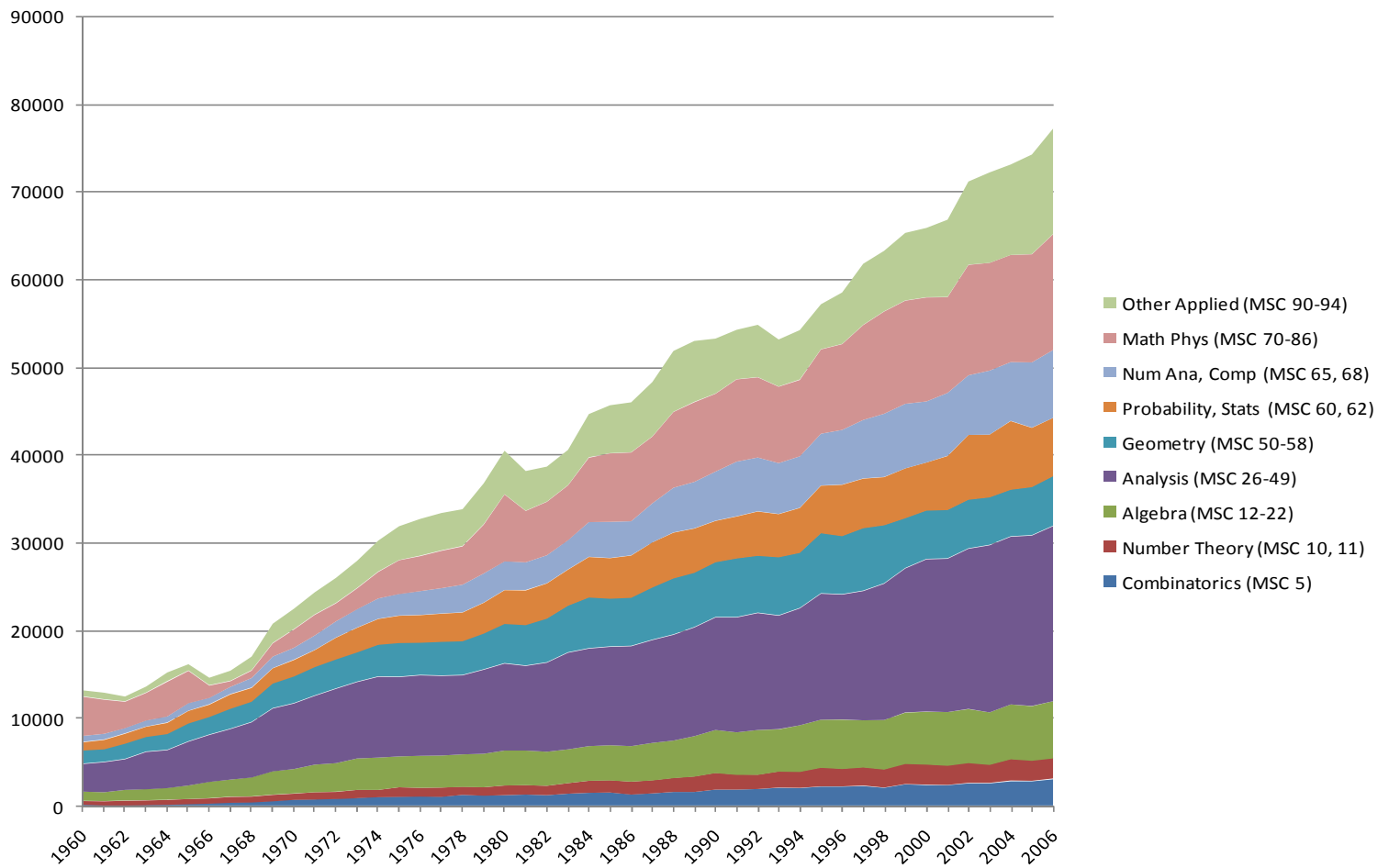
58 Global Analysis	-11.9%
44 Integral Transforms	-3.3%
22 Top & Lie Groups	-3.0%
28 Measure & Integration	-2.4%
8 General Algebra	-2.0%

More Math Reviews statistics >>

Do not hesitate to contact the library about your book and journal wish lists: Aaron Lercher at alerche1@lsu.edu

Your Mathematics Librarian is eager to receive requests, since these are the only way to be certain that what is ordered is really what is wanted.

Mathematics Reviews: reviews by year in major subfields, 1960-2006



Major field	Primary Subjects	Growth rate, 1960-2006	Growth rate, 1997-2006
Math Reviews total	All MSC	4.0%	2.7%
Combinatorics	5	6.7%	3.6%
Number Theory	10, 11	3.8%	1.2%
Algebra	12-22	3.5%	1.6%
Analysis	26-49	3.5%	1.8%
Geometry	50-58	3.0%	-2.3%
Probability & Statistics	60, 62	4.2%	3.4%
Numerical Analysis & Computer Science	65, 68	6.0%	0.7%
Math Physics	70-86	4.7%	1.6%
Other Applied	90-94	5.8%	6.7%