

The European Mathematical Society

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FIZ Karlsruhe / Zentralblatt MATH

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- Broadly based electronic distribution and archiving network for mathematics
- Provided by the European Mathematical Information Service (EMIS) under the auspices of the European Mathematical Society (EMS)
- Mirrored world wide (about 40 mirror sites)
- Established 1995



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Contents today: ➢ Journals: 50 (45+2[disc.]+3[tba]) 20 also available in print about 403 volumes ➢ Proceedings/Collections: 13 Articles: about 6900 Monographs: 8 Collected Works: 2 (Riemann, Hamilton) Unrestricted access



- Not-for-profit bundling offer for academic and society publications
- Critical mass to be competitive with commercial publishers
- Wide distribution of contents
- Exploit synergies with related activities to secure free flow of scientific information



European Mathematical Society: Part of EMIS, information services network

- Scientific supervision: EMS Committee on Electronic Publishing
- Technical administration: Editorial office of Zentralblatt MATH
- Contents:

Academic publishers, editors, authors



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Distribution agreement with editors
no copyright transfer, free of charge
ELibM hosted publications
ELibM produced publications
Long term preservation agreements:
SUB Göttingen
Cornell, Kroch Library

Quality standards (1)



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Scientific standards

- An editorial board must assure that articles accepted for publication are of good scientific quality
- Every article must be refereed and recommended for publication by one or more experts
- The choice of articles must involve no discrimination on the basis of politics, nationality, race, sex, or religion

Quality standards (2)



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Editorial and typographic standards
Articles in polished form similar to that of printed mathematical journals
Approximately uniform typography
Unique identification suitable for use in bibliographies of other articles
Recommended: abstract, dates of receipt of articles, dates of publication

Quality standards (3)



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Timeliness:

- at discretion of Editors
- For journals with print version:
 - may be delayed a specified period so as to favour sales (e.g: Annals of Mathematics: 5 years, JEMS: 3 years)

Related activities



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Zentralblatt MATH

reviewing and abstracting service in pure and applied mathematics

ERAM, "Jahrbuch Fortschritte Math." project

DB and archive of historical math (1860-1943)

EULER

portal site to mathematical library holdings, preprints, reviews, qc internet resources, publishers, ...

Metadata standards



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- Journal-volume-issue-article based navigation structure
- Complete, standardised metadata not generally available
- Lack of stable standards
- Reduced load on editors and providers
- Contents first



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New publication types Electronic Geometry Models Library of project results (e.g. tools, software for solving flow problems in industry) Reference desk for scanned historical works ▶ DIEPER, Cornell Math Books, ERAM, etc. Paid subscription based offerings



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