

Digital Libraries Projects



The European Mathematical Society

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ERAM, EMANI, ELibM, RusDML

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ELibM in EMIS



The European Mathematical Society

- EMIS –European Mathematical Information Service
- <http://www.emis.de/>
- ELibM - Electronic Library in Mathematics
 - Journals
 - Proceedings and Collections of Papers
 - Monographs
 - Collected Works

Aims and mission of ELibM



The European Mathematical Society

- bundling offer for academic and society publications
- critical mass to be competitive with commercial publishers in mathematics
- ELibM offers more than 70 electronic versions of mathematical journals
- wide distribution of contents (more than 40 mirror sites),
- open access



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ERAM (Jahrbuch Project)

- Funding from DFG
- Electronic Research Archive in Mathematics
- Capture the content of the Jahrbuch über die Fortschritte der Mathematik (1868 - 1943) in a database
- Develop an archive of digitized mathematical publications for open access
- Use the Jahrbuch for selecting items to be digitized



ERAM selected journals

- Aequationes mathematicae - Birkhäuser
- Commentarii mathematici Helvetici - Birkhäuser
- Geometric and functional analysis - Birkhäuser
- Inventiones mathematicae – Springer
- Mathematische Annalen - Springer
- Mathematische Zeitschrift - Springer
- Matematicheski Sbornik – RAS
- Metrika - Springer
- Communications Math. Physics - Springer
- J. Reine Angew. Math. (Crelle) – de Gruyter

Objectives of *RusDML* - ?????? ?



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- Make all Russian mathematics electronically available
- Make all Russian mathematics easily accessible
- Disseminate information on Russian mathematics world wide on a bilingual basis
- Establish the Russian part of the WDML
- Free access as far as possible

Aims & Scope of EMANI



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- Electronic Mathematics Archiving Network Initiative
- Networks of libraries and content providers
- Storing existing digitized mathematical content
- Digitizing older material
- Developing models and methods to achieve long term preservation
- Recommending formats for metadata, etc

EMANI library partners



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- SUB Göttingen
 - Content of ERAM
- Cornell University Library, Ithaca
 - Content of Euclid
- Tsinghua University Library, Beijing
 - Digitized Chinese Mathematics
- Cellule MathDoc, Grenoble
 - Content of NUMDAM





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Databases

offered through EMIS

- MATH (Research mathematics)
- MATHDI (Education in mathematics)
- Jahrbuch (Material from 1868-1943)
- IoPort (Informatics)
- STMA-Z (Statistics)
- In preparation: Logics database