

SUB

NIEDERSÄCHSISCHE STAATS- UND
UNIVERSITÄTSBIBLIOTHEK GÖTTINGEN

Digitized Mathematics at the SUB Göttingen



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GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

What is the SUB Göttingen?

Niedersächsische Staats- und Universitätsbibliothek Göttingen

= SUB Göttingen

= Lower Saxony State and University Library Göttingen

There are two central German libraries to provide texts related to mathematics:

- **SUB Göttingen** for pure mathematics
- **TIB Hannover** for applied mathematics

In 1999 begin of digitization, two large **digitization centers** funded by German Research Foundation (DFG):

- Göttingen
- Munich



Digital Library at SUB Göttingen: Content

Three major digitization projects:

- **ERAM** (Electronic Research Archive for Mathematics) aka "**Jahrbuch Project**"
Digitisation of "Jahrbuch über die Fortschritte der Mathematik" (1868-1942) and relevant articles.
DFG funded (1998-2005)
- **RusDML**: Russian Digital Mathematics Library
Funded by DFG and RFFI (Russian Foundation for Basic Research) (2004-2007?)
Digitization of selected Russian mathematical journals
- Massendigitalisierung Mathematik (Mass Digitisation Mathematics) aka "**Massendigi Mathe**"
Funded by DFG (2008-2010)
Digitisation of mathematical holdings at SUB Göttingen up to 1900

Total holding: About

- **85000 articles**
- **2600 Books** (single or several volumes)

All free access



Digital Library at SUB Göttingen: Access

- **GDZ Mathematica**: all digitized mathematical contents with full text search
<http://gdz.sub.uni-goettingen.de/>
- **Digizeitschriften**: Only articles from journals with full text search
<http://www.digizeitschriften.de/>
- **Digitization Registry**: Digitized mathematics world wide, only metadata
<http://DigReg.MathGuide.de/>
- **ViFaMATH**: combined access to digital and analog resources
<http://ViFaMath.de/?L=1>

Main portal: GDZ Mathematica collection

Overall not satisfactory

Possible Improvements

Digital Library has two aspects: Content and Access

Content:

- Printed material pretty much complete up to 1900, also large collection of journals behind pay walls at other places
- Possible extension to manuscripts (important collection of bequests, e.g. Gauß, Riemann, Klein)
- Else essentially questions of copyrights

Access:

- Browsing of journals only in GDZ
- Lack of cross-references for references and persons
- Full text search available, but highlighting not yet implemented

Thank you for your interest.

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