

# zbMATH

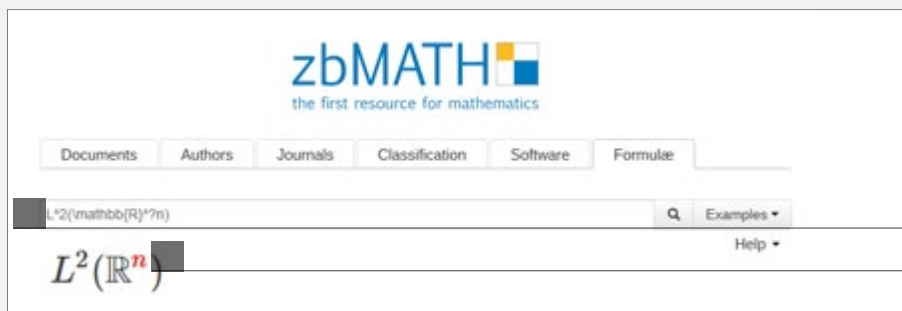
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zbmath.org

## Special features

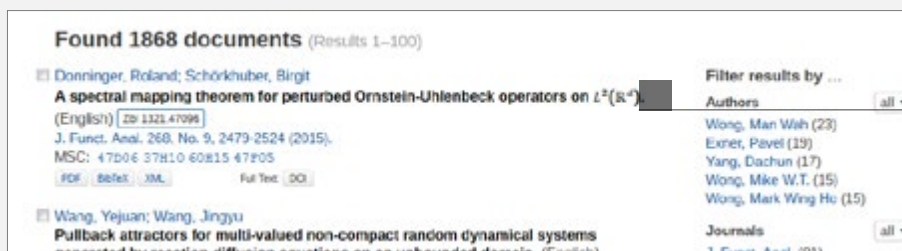
- Author profiles including citation analysis based on almost 20 million references and external links to Math Genealogy Project, Wikipedia, Math-Net.Ru, ResearchGate, or homepages
- LaTeX based formulae search function in full-text documents
- swMATH – Search facet for mathematical software
- Full-text links to publishers, arXiv, and other digital libraries
- Atom Feed allows users to receive regular updates on developments in their areas of interest
- Access zbMATH remotely while traveling or at home

## Formulae Search Function



Formulae tab allows for searching LaTeX coded symbols

Question mark “?” to code variables



Search collects all documents where formula appears in reviews, abstracts, or titles

New: Full-text formula search for over 120,000 documents.

Over 100 million indexed formulae

## Author and Citation Profile

Links to external sources like Math Genealogy Project, Wikipedia,...

**Lefschetz, Solomon**

Author ID: lefschetz.solomon  
 Published as: Lefschetz, S.; Lefschetz, Solomon; Lefshetz, S.  
 External Links: [MGP](#) · [Wikidata](#)

Documents indexed: 181 Publications since 1911, including 30 Books

Co-Authors  Journals  Classification

4 LaSalle, Joseph P. 36 Bulletin of the American 6 History; biography (01-X)

### Full citation analysis

- total number of citations
- top cited articles
- citing authors
- citing journals
- mathematical area analysis
- citation years

Citations contained in zBMATH (collection of data to be completed)

51 Publications have been cited 783 times in 788 Documents Cited by Year

Publication	Cited by	Year
Stability by Liapunov's direct method. With applications. <a href="#">Zbl 0090.06102</a> La Salle, Joseph; Lefschetz, Solomon	241	1961
Differential equations: Geometric theory. <a href="#">Zbl 0090.09401</a> Lefschetz, Solomon	128	1957
Stability of nonlinear control systems. <a href="#">Zbl 0136.08801</a> Lefschetz, S.	74	1965

**Cited by Authors**

12 Valls, Claudia  
 11 Barreira, Luis M.  
 9 Cronin-Scanlon, Jane  
 8 Zanolin, Fabio  
 7 Leonov, Gennady Alekseevich

**Cited in Journals**

65 Journal of Mathematical Analysis and Applications  
 59 Journal of Differential Equations  
 32 Annali di Matematica Pura ed Applicata. Serie Quarta  
 27 Automatica  
 23 Journal of the Franklin Institute

**Cited in Fields**

237 Ordinary differential equations (ODE) (34-XX)  
 131 Systems theory; control (93-XX)  
 79 Applications of mathematics to Biology and other natural sciences (92-XX)  
 77 Dynamical systems and ergodic theory (37-XX)

**Citations by Year**

## swMATH – Search facet for mathematical software

Software tab leads to swMATH

**swMATH** Search

**Maple**

The result of over 30 years of cutting-edge research and development and solve mathematical problems. With over 5000 functions, Maple handle every type of mathematics. Maple's intuitive interface supports Math™ tools to a sophisticated programming language. Using the you can automatically capture all of your technical knowledge in an explanatory text and math, graphics, images, sound, and diagrams

**zBMATH**  
the first resource for mathematics

[Documents](#) [Authors](#) [Journals](#) [Classification](#) [Software](#) [Formulas](#)

**swMATH**  
A comprehensive database of mathematical software

swMATH is a novel information service for mathematical software. It offers open access to a comprehensive database with information on mathematical software and provides a systematic collection of references to software-relevant mathematical publications.

Short description of the software package and related keywords

Keywords for this software

Maple

with MATLAB

differential equations

eigenvalues

stability

computer algebra

computer algebra

Maple program

References in zBMATH (referenced in 3167 articles, 10 standard articles)

Showing results 1 to 20 of 3167. Sorted by year (citations) 20

1 2 3 ... 157 158 159 next

1. Abramovich, Sergei: Exploring mathematics with integrated spreadsheets in teacher education (2016)
2. Alcázar, Juan Gerardo; Hermoso, Carlos: Involutions of polynomially parametrized surfaces (2016)
3. Aliev, Ali V.; Mikhchenko, Olga V.; Lipanov, Alexey M.: Mathematical modeling and numerical methods in chemical physics and mechanics (to appear) (2016)

Article statistics & filter:

Search for articles

MSC classification

- Top MSC classes
- 11 Number theory
- 34 Ordinary differential.

Links to zBMATH documents mentioning the software