

GUIDES TO ONLINE RESOURCES MATHEMATICS STUDIES

INTRODUCTION

This page contains links to Mathematics Internet Resources that are of interest to the academic staff and students of the School of Mathematical Sciences, Universiti Sains Malaysia. Please send any recommendations for additions to the Subject Liaison Officer for Mathematics, Tuan Sira Zawana Tuan Yaakub at t_sirazawana@notes.usm.my or phone: ext. 3716 at the USM Library.

REFERENCE

MR/Zentralblatt Mathematics Subject Classification MSC2000

The current 2010 Mathematics Subject Classification (MSC2010) is a revision of the MSC2000 that has been used by MR and Zbl since 2000. MSC2010 is the result of a collaborative effort by the editors of MR and Zbl to update their shared classification. These editors acknowledge the many helpful suggestions from the mathematical community during the revision process over more than two years.

<http://www.ams.org/mathscinet/msc/msc2010.html>

GLOSSARY

UCDavis Mathematics

It contains an alphabetical list of terms and its definition in the field of Mathematics study.

<http://www.math.ucdavis.edu/profiles/glossary.html>

SUSCRIBED DATABASES

(Accessible via USM Library's website www.lib.usm.my)

EBSCOhost

EBSCOhost is the leading search platform for full-text online research databases in institutions worldwide.

<http://web.ebscohost.com/ehost/search?vid=1&hid=103&sid=a387e0ab-f81f-4fac-a946-cfd116e8b593%40sessionmgr104>

Science Direct

Science Direct is one of the largest online collections of published scientific research in the world. Operated by the publisher Elsevier, it contains nearly 10 million articles from over 2500 journals and over 6,000 e-books, reference works, book series and handbooks issued by Elsevier.

<http://www.sciencedirect.com/>

MathSciNet

MathSciNet has become an essential tool for researchers in the mathematical sciences. It contains information on about 2 million articles from 18,000 mathematical journals, many of them abstracted "cover-to-cover". In addition, reviews or bibliographical information on selected articles is included from many engineering, computer science and other applied journals abstracted by MathSciNet. The selection is done by the editors of the Mathematical Reviews.

<http://www.ams.org/mathscinet/>

Springer LINK

SpringerLink is one of the world's leading interactive databases for high-quality STM journals, book series, books, reference works and the Online Archives Collection. SpringerLink is a powerful central access point for researchers and scientists.

<http://www.springerlink.com/home/main.mpx>

Emerald

Emerald provides research journals which are peer-reviewed to ensure the highest quality.

<http://www.emeraldinsight.com/Insight/menuNavigation.do;jsessionid=392DC8CB2F3BAD50C1709D0AFF3DF194?hdAction=InsightHome>

JSTOR

JSTOR provides a high-quality, interdisciplinary archive of scholarship, is actively preserving over one thousand academic journals in both digital and print formats, and continues to greatly expand access to scholarly works and other materials needed for research and teaching globally.

<http://www.jstor.org/action/showBasicSearch?cookieSet=1>

ISI Web of Knowledge

It is an intelligent research platform that provides access to the world's leading citation databases, including powerful cited reference searching, the Analyze Tool, over 100 years of comprehensive backfile and citation data. It is a platform for access to objective content and powerful tools that let you search, track, measure and collaborate in the sciences, social sciences, arts, and humanities.

http://apps.isiknowledge.com/UA_GeneralSearch_input.do?product=UA&search_mode=GeneralSearch&SID=2EAi9IKLeg8JJMiD@da&preferencesSaved=

Scopus

Scopus is the largest abstract and citation database of peer-reviewed literature and quality web sources with smart tools to track, analyze and visualize research. It's designed to find the information scientists need. Quick, easy and comprehensive, Scopus provides superior support of the literature research process.

<http://www.scopus.com/home.url>

IEEE Explore

IEEE publishes the leading journals, transactions, letters, and magazines in electrical engineering, computing, biotechnology, telecommunications, power and energy, and dozens of other technologies.

<http://ieeexplore.ieee.org/Xplore/dynhome.jsp?tag=1>

SUBSCRIBED ELECTRONIC JOURNALS

(Accessible via USM Library's website www.lib.usm.my)

A-to-Z Journals

Use index or browse titles/subjects to find subscribed journals of your preference. Find journals like Mathematical methods in the applied sciences, Mathematical Modeling, Mathematical Notes, Mathematical Systems Theory, The Mathematics Educator, Discrete and Computational Geometry, International Journal of Shape Modeling, K-Theory, Set-Valued Analysis, Topology, ACM Computing Surveys and many more.

The American Statistician

Contains timely articles organized into the following sections: Statistical Practice, General, Teacher's Corner, History Corner, Interdisciplinary, Statistical Computing and Graphics, Reviews of Books and Teaching Materials

Journal of Engineering Mathematics

This journal covers following areas: Engineering, Mathematics and Statistics, Physics, Mechanics, Applications of Mathematics, Analysis, Mathematical Modeling and Industrial Mathematics and Numeric Computing.

E-BOOKS

(Accessible via USM Library's website www.lib.usm.my)

SIAM e-Book

This collection contains e-books mainly in the subject area of applied mathematics, statistics and applied probability.

e-brary

A collection of more than 30,000 titles of e-books that USM Library subscribes and its subjects include law, political science and humanities.

Springer e-books

It is one of the world's leading interactive databases for high-quality STM journals, book series, books, reference works and the Online Archives Collection. This collection contains e-books in the subject of Mathematics and Statistics.

Cambridge University Press

Cambridge eBook collections consists of the finest academic and educational writing from various discipline includes Pure Maths and Applied Maths.

ADDITIONAL/SUGGESTED/RELATED LINKS

GENERAL

Calculators Online Center

<http://www.martindalecenter.com/>

This site is part of Jim Martindale's Reference Desk and contains over 5,500 links to calculators online. The collection is in 4 parts: a general alphabetical subject list; Mathematics, Science, and Engineering.

Measurement Conversion Calculator

<http://www.entisoft.com/unitsabt.htm>

It recognizes and converts any combination of approximately 800 SI, metric, American, English, historical, and ancient measures.

MathWeb People

<http://www.ams.org/mathweb/mi-people.html>

This site help you in finding a mathematician of your interest.

FONT:

Heading	:	Arial 14 (Bold)
Sub-heading	:	Arial 12 (Bold)
Title	:	Arial 11 (bold, pink)
Link	:	<i>Arial 11 (italic)</i>
Content	:	Arial 11