Online Resources

MATHDI database

A project in cooperation with the European Mathematical Society has now made the Mathematics Education literature database MATHDI available via the Internet.

MATHDI (MATHematical DIdactics) is the most comprehensive and up-to-date computerised information service in the fields of mathematics education and computer science education, elementary mathematics and its applications as well as psychological and pedagogical issues for mathematics and science education. MATHDI is the online-version of the well-known international abstracting service in mathematical education ZDM (Zentralblatt für Didaktik der Mathematik)

Important features of this new service are:

- worldwide unique access to literature on research and practice in mathematics education from 1976 to the present time: more than 76,000 entries
- on screen TEX or Postscript view of full review text
- easy menu search
- hypertext links to authors and classification
- links to the European Mathematical Information System server with access to the database MATH and free e-journal access, conference calendar, and other services offered by Fach Informations Zentrum
- Free access to the snupper version - sneak preview with only three items for any question. All a user needs to do is to open http://www.emis.de/MATH/DI.html

The annual rate is DM 475 for one year unlimited use. This reduces to DM 350 if you already have one of the basic subscriptions for ZDM or International Reviews on Mathematical Education. The project welcomes comments and/or suggestions, and will be glad to answer any questions related to this offer and to provide full access to this new service. Just send a message to gk@fiz-karlsruhe.de

Visit *MathWorld*™ at http://mathworld.wolfram.com

Wolfram Research is "pleased to announce a major enhancement to an established internet reference. *Eric Weisstein's World of Mathematics*, also known as *MathWorld*, is now not only the web's most extensive mathematics resource (containing over 10,000 individual entries) but also one of the easiest to navigate. This convenient, lucid, and interactive reference is intended for students, educators, math enthusiasts, and researchers. Although it is often difficult to find explanations for technical subjects that are both clear and accessible, this web site bridges the gap by placing an interlinked framework of mathematical exposition and illustrative examples at the fingertips of every internet user. In addition, the selection of topics in *MathWorld* is far more extensive than that of most mathematical dictionaries.

"Eric Weisstein has been compiling *MathWorld* for more than a decade with assistance from the mathematics and internet communities. Boasting roughly 40,000 visitors daily, the site is a principal reference point for students, educators, researchers, and organizations from around the globe. Typical of the comments Weisstein has received are those of one recent visitor who wrote, "Excellent web site. This is the kind of thing that makes the web worthwhile."

"The immeasurable benefit provided by this type of site explains in large part why Wolfram Research has decided to enhance the development of *MathWorld* as a public resource. According to Stephen Wolfram, "This is part of a long-term commitment by Wolfram Research to provide web-based resources. *Mathematica* is the ideal environment in which to present such a vast array of technical knowledge." The support of Wolfram Research has enabled Weisstein to improve and expand *Eric's Treasure Trove of Mathematics* into the new and more comprehensive site, which features an improved search engine and innovative subject-based navigation.

"In the interest of creating the most complete and accurate mathematics resource possible, Weisstein welcomes visitors to contribute new entries to the site and submit additional details for existing ones. Furthermore, with the help of Wolfram Research, Weisstein plans to add more interactive features to the site, including tighter integration with *Mathematica* itself. The continuous updating of *MathWorld* to include new material and incorporate new discoveries, in combination with the powerful elements of *Mathematica*, makes *MathWorld* a robust and indispensable reference tool."