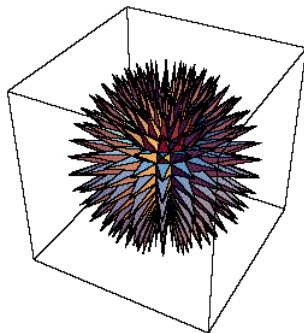


Power Macintosh Debut

Mathematica played a featured role in Apple Computer's debut of its Power Macintosh on March 14, 1994 at Lincoln Center in New York. The Power Macintosh is a new line of personal computers based on the PowerPC RISC processor. To show how speedy the PowerPC is, Apple had *Mathematica* running on its Power Macintosh 8100 and on a Sparc 10 workstation. The machines competed in rendering a complicated 3D graphic. *Mathematica* was an ideal choice for Apple's first demonstration of the PowerPC's speed, according to Doug Stein, who lead Wolfram Research's development of the version of *Mathematica* optimized for the new processor. In the demonstration, reported Stein, the PowerPC "smoked" the Sparc.



Do try this at home: << Graphics`Polyhedra`; << Graphics`Shapes`; Show[Graphics3D[St.

Mathematica Live

True-D Software Ltd. has released Live, a 3D graphics and rendering system for *Mathematica*. Live gives Macintosh and PC users the type of real-time rendering capabilities that previously were available only on Silicon Graphics workstations. Live can import *Mathematica* graphics and make real-time changes to viewpoints, surface color and reflectivity, and other graphics options. Wire frame and scatter plot graphics can be converted to solid geometry on the fly. Surface properties, such as diffuse and specular reflectivity, can be adjusted in real time using a choice of flat or smooth shading models. Live also provides both static and animated texture mapping. Textures can be created using *Mathematica* and then "painted" onto graphics objects.

Live imports *Mathematica* graphics objects

Live is available for Macintosh and Windows machines. A version for the PowerPC Macintosh will be released soon. Live sells for \$299 and is distributed through Wolfram Research in the US and through Wolfram Research's distributors worldwide. For further information, contact True-D Software Ltd., The Magdalen Center Oxford Science Park, Oxford UK, OX4 4GA info@true. Phone: +44 865 784950. Fax: +44 865 784004.

Mathematica World

Mathematica World is a new electronic magazine dedicated to "helping you describe your world mathematically." *Mathematica* World aims to encourage users to develop their skill and expand their use of *Mathematica*. Tutorials interactively guide users through aspects of the front end, kernel, and package functionality. Various notebooks illustrate the use of *Mathematica* in a broad range of situations.

Announcements of new packages and included packages help the user extend *Mathematica* in specific areas. A news section includes solutions to problems that have been posed over the previous month through Internet news and mailing groups. An album of animations showcases applications from around the world.

Mathematica World is published monthly by Dr. Stephen M. Hunt of Ormond College, University of Melbourne, Parkville, Australia. The associate editors are Dr. Paul C. Abbott, Desmond Fearnley-Sander, and Dr. Terry D. Robb.

Mathematica World is distributed on 3.5" diskette as Macintosh, Windows, NeXT, and front-end notebooks. An annual subscription (12 issues) costs US \$119.40. Single issues can be purchased for US \$9.95, including delivery by airmail. A fully evaluated CD-ROM issue that includes six months of *Mathematica* World, together with some bonus notebooks and animations, is available for US \$49.95. Special issues of *Mathematica* World cover specific fields: *Mathematica* World - Education Today (US \$19.95) features educational implementations of *Mathematica* from over 20 authors around the world. For more information, send e-mail to mathematica@mat or smh@matilda, or write to *Mathematica* World, Ormond College, University of Mel-

The NY Journal of Mathematics

The State University of New York at Albany has launched a refereed electronic mathematics journal, The New York Journal of Mathematics. The journal covers a broad range of subjects, including algebra, analysis, and geometry/topology. Papers will be presented in TeX format and accessed through a variety of electronic means, including listserv, anonymous *ftp*, and gopher.

Papers should be submitted to the journal's editorial board by electronic mail. Submissions will be refereed in the traditional way, with one anonymous referee. Because papers are published as they are accepted by the editorial board, publication delays will be minimal. The journal will have an ISSN number and will be accessed by the major bibliographic publications in the field.

The journal's gopher archive is at `n y j m . a l b`. It will be accessible by anonymous *ftp* on the machine `f t p _ n y j m . a`, in the directory `/ p u b /`. Information for submissions of articles is given in the archive. For additional information, contact Dr. Mark Steinberger, editor-in-chief, at `m a r k @ s a r a h .`

Courseware Directory

Wolfram Research is compiling the *Mathematica* Courseware Directory for educators who wish to share information on their use of *Mathematica* in the classroom. If you have written courseware or educational notebooks with *Mathematica*, WRI would like to include a description of your material in the directory. Please send e-mail to `c o u r s e @` or fax the *Mathematica* Courseware Directory coordinator at 217-398-0747.

Mathematica 2.2 for DEC Alpha OSF/1 Systems

Wolfram Research has released *Mathe* -

rently available on DEC's VAX VMS and RISC/ULTRIX systems. A native version of *Mathematica* for OpenVMS and Windows NT will be released later this year.

Mathematica 2.2 for DEC's Alpha AXP RISC systems is priced at \$1995. Academic pricing starts at \$1395. Volume discounts and academic site licenses are available.

Mathematica in Japan

Earlier this year, hundreds attended *Mathematica* Days presentations throughout Japan. To provide technical support to the growing number of *Mathematica* users in Japan, Wolfram Research will open an office in Tokyo later this year. ☎