# [Math+<span style="color:red">Magic</span>]™ ReadMe

MathMagic v1.3
Revision of ReadMe: 6
Date of Release: 26 Apr 1999

Thank you for using MathMagic, the professional desktop publishing tool for Mathematical expressions. This ReadMe contains the most important information regarding the current version of MathMagic. InfoLogic strongly recommends that you read this entire document.

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## What's New (v1.3)

MathMagic 1.3 includes new features as well as several bug fixes and enhancements. New templates have been added, and this version addresses several issues related to quality. Below is some of the new features.

- Now includes MathMagic PostScript fonts
- Two templates for building traditional mathematical expressions added that are essential but not included in previous versions
- Now supports same line spaces between text lines and mathmatical expressions
- Size, position and zoom proportion of MathMagic editor window are now reserved.
- Symbols, such as "+", "-" and "=", now lie in a straight line with fraction lines.
- Sticky feature added into palette menus.
- Improved editor Look&Feel
- "[  ]" braces now keep same thickness.
- Removed afterimages that are displayed after scrolling
- Function names, such as sincos   or costan, were deleted after reopening

- Parsing error occurred while changing variables into function style
- Inserting align template caused incorrect spacing between characters.
- "Save" command didn't update the editor screen

And MathMagic Lite is newly added to MathMagic product line.
Please check the Version History section of this document for details.


# Features

- Easy-to-use Interface
MathMagic provides intuitive point-and-click interface to build equations.
All the mathematical symbols have been organized for easy access, and they
also can be easily integrated to customizable user palette.

MathMagic can build expressions of all kinds of currently available
mathematical equations ranging from elementary school to graduate school.

- TeX Support
MathMagic supports import/export of TeX, the professional mathematical
expression markup language, so you can publish high-class scientific
articles, books, journals and courseware more easily. And you can reuse all
the legacy contents widely as well.
MathMagic also can easily convert between equations and TeX, offering
convenient additional features for editing.

- Save As EPS
MathMagic can save your work as EPS format, giving you chances to take
advantage of it with other graphics, presentation or DTP applications.

- Save As PICT
MathMagic also save your work as PICT format, so you can use it with other
Macintosh applications such as wordprocessors or graphic applications.

- Includes PostScript Fonts as well as TrueType fonts
MathMagic offers specially designed TrueType equation symbol fonts for
high accuracy. Also it comes with high-resolution PostScript fonts for
professional desktop publishing. InfoLogic keeps working on designing new
equation symbol font sets that will be offered to our registered customers at
no additional charge. The PostScript fonts are now offered at free of charge.

- Customizable User Palette
MathMagic lets you create macros for commonly used expressions. It also
supports another useful feature that lets you create your own palette with
frequently used equations. These features let designers handle equations

more easily and more quickly to get high productivity without any expense of time.

• Free MathMagic Viewer
MathMagic Viewer that lets QuarkXPress display and print documents with mathematical expressions created using MathMagic, is provided freely for you to send your works to any service bureau or other people who do not have MathMagic. It contains MathMagic TrueType & PostScript fonts.

• Multilingual Environment
MathMagic supports 2-bytes environment. It can be used with Korean, Japanese and Chinese versions of QuarkXPress as well as English version, giving you complete multilingual publishing environments. This East-Asian version is available separately though.

• Customizing service if needed
There are thousands of publishers around the world. Most of them have their own style and preference. MathMagic is ready to be customized for their style at realistic cost. Please contact us with your specific requirements for the cost estimation.

# Installation

• System Requirements
PowerPC based systems with MacOS 7.1.2 or higher
QuarkXPress 3.32, 4.0
At least 2MB of available memory
1.5MB of available hard disk space.
Floppy disk drive and CD-ROM drive for installation

• Installing MathMagic & MathMagic Viewer
See MathMagic User Guide for comprehensive instructions.

• MathMagic Files Installed
MathMagic Fonts in Fonts folder of the current System folder.
MathMagic XTension in the MathMagic folder of root directory.

# Known Issues

• Memory Problem
MathMagic requires at least 2MB of available memory. This means the amount of memory is the default requirements. In case you're editing documents with dozens of pages with intensive mathematical expressions,

you may need to increase the memory requirements of QuarkXPress.

To increase available memory of your QuarkXPress, choose Get Info in the File menu after selecting the QuarkXPress application icon. Basically Equations require very complex or recursive operations internally which need a lot of memory. If you need to build lots of mathematical expressions and edit dozens of pages per document file, we strongly recommend you to assign more memory as much as possible, for example, additional 10MB or more.

If you do not have enough memory, we recommend you to limit the number of equation boxes in a document, or the number of pages less than 10~20 pages by splitting into several document files. And if you still have insufficient memory alert, please quit your QuarkXPress and launch it again.

• Text to Box vs. Equation in QuarkXPress 4.x
MathMagic doesn't support the Text to Box feature of QuarkXPress 4.x

• Color Trapping
MathMagic supports color trapping for professional desktop publishing. Note that, only the default trap values of each color can be applied. You may not use customized values in the Trap Information palette. If you do need to apply color trapping, create another color, and then edit the trap values of the newly generated colors.

• Equations vs. Extensis QX-Effect
Equations created using MathMagic are not supported by Extensis QX-Effect.


# Version History

MathMagic Lite is newly added to MathMagic product line.

v1.3

[Enhanced]
• Now includes MathMagic PostScript fonts
• Two templates added that are essential but not included in previous versions
• Added an option to define default spaces of space bar
• Now supports same line spaces between text lines and mathmatical expressions
• Size, position and zoom proportion of MathMagic editor window are now reserved.

• Sticky feature added into palette menus.
• Symbols, such as "+", "-" and "=", now lie in a straight line with fraction lines.
• Improved editor Look&Feel

[Fixed]
• "[   ]" braces now keeps same thickness.
• Removed afterimages that are displayed after scrolling
• Function names ,such as sincos or costan, were deleted after reopening
• Parsing error while changing variables into function style
• Inserting align template caused incorrect spacing between characters.
• "Save" command didn't update the editor screen

v1.2.1

[Added]
• MathMagic PostScript font now included.
• Sticky feature added into palette menus.
[Modified]
• Improved appearance of window tab.

v1.2

[Enhanced]
• MathMagic now supports SuitCase 3.x as well as BitMap fonts.
• Command-S keyboard shortcut within MathMagic now applies the changes to the Quark document right away.
• Command-E keyboard shortcut exports MathMagic equations.

[Fixed]
• Problems when user changed default values for the size and font.
• Other a few minor bugs.

v1.1

[Fixed]
• Problems when printing with Color-Separation enabled.
• Color-Separation-enabled printing did not print out equations.

v1.0.9

[Fixed]
• Double-typing integral symbol results in empty symbol.

v1.0.8

[Fixed]
• Incompatibility between preference files of newer and older versions.

v1.0.7

[Fixed]
• In QuarkXPress 4.x, the Baselined-equation at the start point of a row was not printed.

v1.0.6

[Fixed]
• After pulling down menu within MathMagic editor, the cursor sometimes did not move along with the mouse until another mouse click.

v1.0.5

[Fixed]
• Typing characters at the beginning of any written equations or sentence removed all contents.
• Style menu in the Quark menu bar displayed Math Color and Math Shade menu items incorrectly.

v1.0.4

[Fixed]
• Inability to replace duplicated file name when exporting from MathMagic editor.

v1.0.3

[Fixed]
• Removed factors that may affect system when allocating memory.
• Repeated display of error message when memory error occured.
• When users specify fonts to equations and choose Variable or Function style menu, they aren't displayed as requested.

v1.0.2

[Added]
• MathMagic now checks memory at paste action so that it will not perform given action if there is not enough memory.

v1.0.1

[Fixed]

• Inability to print out with specified fonts.
• A little bit of memory leak when printing.


# Documentation

For more information, refer to the MathMagic User Guide included in the MathMagic package, and also its PDF format is available from the MathMagic web site. You can view and print this document with Adobe Acrobat Reader. This PDF file includes hypertext links and other navigation features to assist you in finding answers to questions about your MathMagic products.

To download Adobe Acrobat Reader, visit Adobe website at:
http://www.adobe.com/prodindex/acrobat/readstep.html

To download MathMagic documentation, visit MathMagic website at:
http://www.mathmagic.com/download/


# Ordering Info

Pricing
MathMagic 1 User Pack: $695
Multi-user packages are available. For more details, visit MathMagic web site at http://www.mathmagic.com/

How to order
You may place online orders on MathMagic web site.
For detailed information, visit MathMagic web site at
http://www.mathmagic.com/order/


# Contacting InfoLogic

You can contact the MathMagic Customer Support Team at:

• Email: support@mathmagic.com
• TEL: +82 2 887 6600
• FAX: +82 2 888 6122

For Reporting Problems

InfoLogic prides itself on delivering a high-quality product. If you find any problems, please take a moment to review the contents of this file. If the

problem you've encountered is documented, there is no need to report the problem to InfoLogic.

If you find any feature that doesn't appear to function properly on your system, please contact InfoLogic with your concerns. Normally the following information will be helpful for us to better understand your situation.
• Symptom of your problem
• Computer HW model
• Mac OS version
• QuarkXPress version
• Other XTensions list
• Your sample document
• and detailed steps to generate the problem again