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## [OT Palettes: 2.0] MathPalette 2.2 Release Notes

Thank you for purchasing [OT Palettes: 2.0] MathPalette.

### About MathPalette 2.2

MathPalette 2.2 assumes you are using a Mathematica labeled version 2.0 or above.

MathPalette consists of a loadable Interface Builder palette (Math.palette), a library containing the compiled MathPalette objects (libMath.a), interface (".h") files describing the palette's objects, and documentation describing the objects and how they are used. By default, the Installer application installs these files as follows:

<u>File Type</u>	<u>Directory</u>	<u>Sub-Directories Installed</u>
Palette	/LocalPalettes	
Library	/usr/lib	
Interface Files	/usr/include	otikit
Documentation	/LocalLibrary/Documentation	OTI/MathPalette

This version of the MathPalette supports Mathematica versions above 2.0 only.

### **Before installing MathPalette**

The MathPalette communicates with Mathematica by starting a Mathematica kernel which in turn, is started by an executable shell script named "math". This file must be in the /usr/bin directory for MathPalette to operate. Before you install MathPalette check the /usr/bin directory to see if the "math" script is in the directory. If it is, go to the install procedure. If it is not, the script needs to be copied to /usr/bin directory. By default, version 2.0 places the math script in /usr/bin correctly using the standard installation defaults. If, when installing Mathematica 2.0, you did not follow all the default installation procedures, it is possible that the math script is elsewhere. Locate the math file and drag it into the /usr/bin directory.

### **Installation**

The MathPalette distribution consists of four ".pkg" (Package) files: MathPalette.pkg, MathDoc.pkg, MathHeaders.pkg and MathLib.pkg. Each file contains a different part of the Math palette; the palette file itself, the documentation, the header files and the library, respectively. Installing the MathPalette consists of opening each of the ".pkg" files and installing each of them in turn.

By following the steps below, you will install the MathPalette in the standard locations listed above. If, for some reason, you wish to place the MathPalette files elsewhere, NeXT's® Installer application will allow you to change the directory you wish to install files into.

- Login to your computer as "root". If you do not have access to "root", then your system administrator must install the palette.
- Insert the first floppy disk (labeled "MathPalette #1") into the disk drive.

- The disk icon labeled MathPalette #1 will appear in the Workspace File Viewer. Open the disk by clicking on the disk icon.
- If this is the first Objective Technologies palette you are installing, you will need to create the /LocalPalettes and also possibly the /LocalLibrary/Documentation directory. To do this, double click on the "Start" script found on the floppy disk. The script will create those directories if they do not already exist.
- Double click on the file named "MathPalette.pkg"; this is the palette's package file. It will launch the Installer application.
- When the Installer application's window appears, click the Install button in the upper left-hand corner of the window.
- A panel will appear asking you if you wish to continue with the installation of the palette into the "/LocalPalettes" directory. Click on "Install".
- The Installer application will notify you when the installation is complete. Once it is complete, repeat the last four steps with each of the MathHeaders.pkg, MathLib.pkg and MathDoc.pkg packages. You will find the last two of these files on the second floppy disk, labeled "MathPalette #2"

After the installation is complete the MathPalette library, libMath.a, must be updated in order to link the MathPalette objects. The following steps will update your installed library:

- Double click on "UpdateLibrary" file which you will find in /LocalLibrary/Documentation/OTI/MathPalette. You can also find this file on the first floppy disk, labeled "MathPalette #1"

## Using MathPalette

All documentation on the MathPalette was installed, by default, in the directory /LocalLibrary/Documentation. Under this location a sub-directory named OTI was created to contain documentation for any and all palettes provided by Objective Technologies, Inc. Within the OTI directory, the documentation for this palette was installed inside a directory named MathPalette.

You may now use MathPalette. A tutorial which describes how to use the MathPalette objects is provided with the MathPalette. The tutorial is called UsingMathPalette.rtf and is in the directory OT\_Support located within the MathPalette documentation directory.