

# OpenOffice.org 2.0 and Mathtype 5

by Bernt Johnsen  
(bernt.johnsen@ski.vgs.no)

For OpenOffice on the Windows platform it is possible to use Mathtype as a formula editor instead of OpenOffice Math. Hence former users of Microsoft Office may continue using the formula editor they are used to.

Mathtype 5 made by Design Science is an upgraded version of the formula editor bundled with MS Office. The program may be downloaded from

<http://www.dessci.com/en/products/mathtype/trialwin.asp>

Mathtype 5 is a standalone program running independently of MS Office. After a 30 day trial period the program may still be used free of charge in Lite Mode, with roughly the same features as the standard Equation Editor in MS Office. The above link has more information.

It is possible to insert ole objects like Mathtype manually with:

Insert->Object->Ole object->Further objects, and then choose Mathtype Object

By default it's inserted as a floating object. If you want the formula as an inline object you need to change the object's style from «ole» to «Formula».

This procedure is quite labourous, especially if your document contains a lot of math objects. And the formula baseline for inline formulae is not properly aligned with the surrounding text.

## The Remedy: Automating macros

There are macros available automating the insertion of both display and inline Mathtype objects in OpenOffice 2.0. These macros accommodate almost the same «look and feel» as using Mathtype with Ms Office.

The installation package containing the macros may be downloaded from

<http://www.afk-support.no/pakker/afk-it/OpenOffice2/Mathtype/>

### ***Installation (for a single user)***

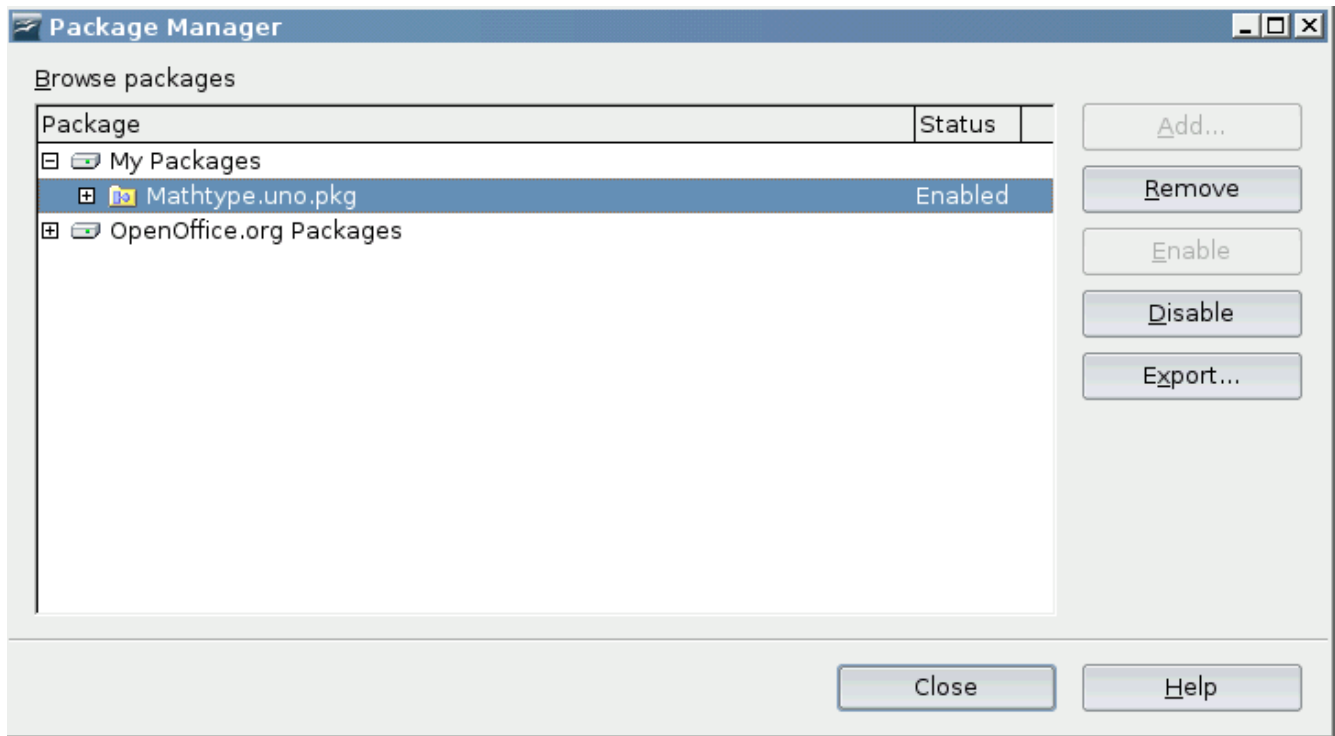
After downloading Mathtype.uno.pkg to local directory, run the following commands:

Choose Tools->Package Manager

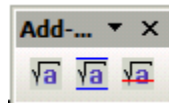
Highlight My Packages and click Add

Change to the directory where you downloaded the package. Select the package and click Open.

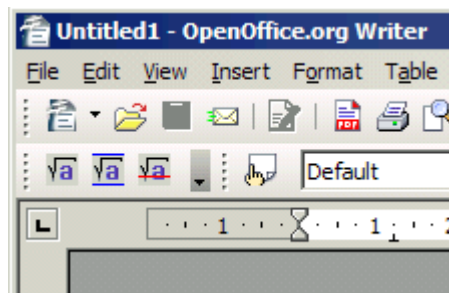
If the installation succeeded, you will find the package in My Packages with status Enabled



OpenOffice may need a restart for this floating toolbar to show up:



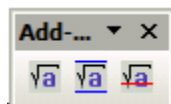
The toolbar may be dragged and dropped in place with the rest of the toolbars, e.g.:



The Mathtype toolbar is named Add-On 1.

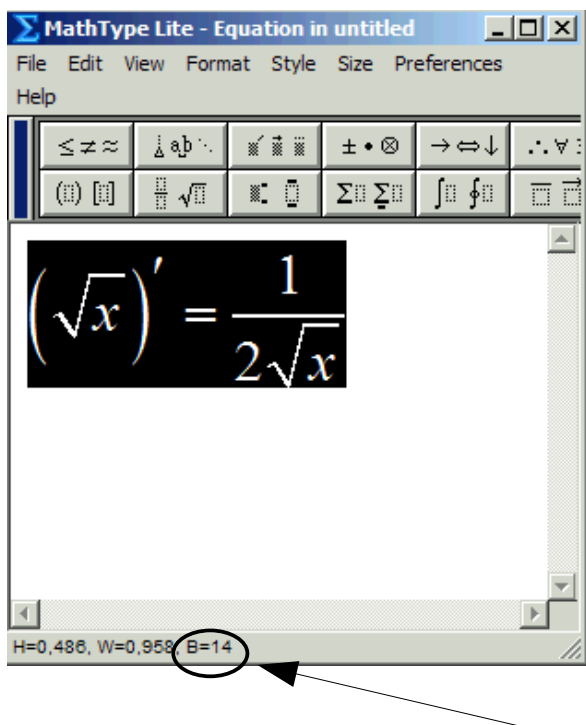
It may be hidden by choosing View-> Toolbar and removing the check in front of Add-On 1.

## Using the Mathtype macros



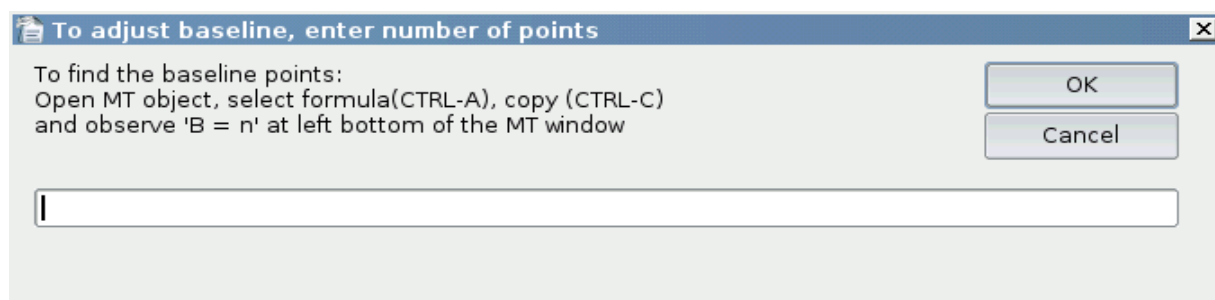
### **Insert Inline MT Object**

Inserts a formula embedded in the surrounding text (inline formula). When you have finished writing the formula, don't close the Mathtype window right away. First select the whole formula (CTRL-A) and copy it (CTRL-C):



Observe number of points the baseline needs to be adjusted (here 14) to get proper alignment with the surrounding text.

Now it's time to close the MT window. Enter the baseline adjustment here:




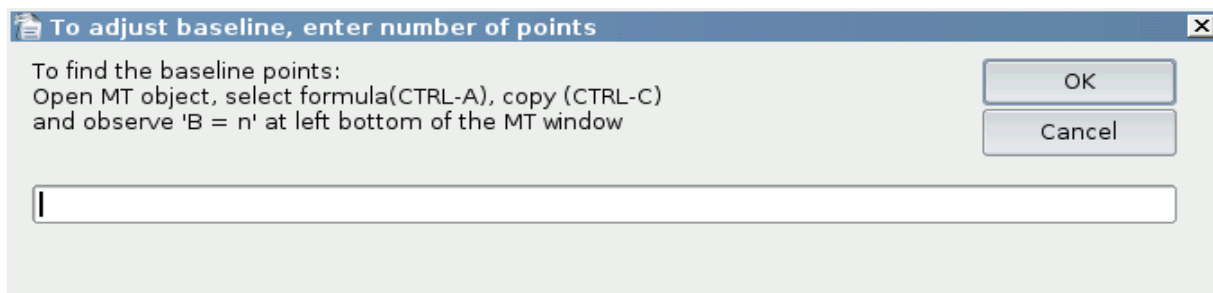
Click OK; text and formula are now correctly aligned.

## ***Insert Display MT Object***

Inserts a centered display formula with a 12 point margin above and below the formula.

## ***Adjust Baseline***

Adjusting the baseline for an inline formula. If you're not satisfied with the original baseline alignment, select the formula, click  and enter the new number of points.



## ***Accelerator keys***

The following accelerator keys are defined:

CTRL-M : Insert inline MT object

CTRL-D : Insert display MT object

CTRL+SHIFT-M : Adjust baseline

These keys are activated by running a macro:

Choose Tools->Macros Run Macros-> My Macros-> Mathtype->Mathtype->SetAccKeysForMt -> Run

