



Mathematical Software

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Computer Algebra Systems

Maxima

Maxima is a open source computer algebra system similar to Mathematica. The graphical interfaces are `wxmaxima` and `xmaxima`.

Mathematica 8.0, 10.0, 11.2, and 12.0

The start scripts are in the directoris:

- `/sw/linux/Mathematica/8.0/scripts`
- `/sw/linux/Mathematica/10.0/scripts`
- `/sw/linux/Mathematica/11.2/scripts`
- `/sw/linux/Mathematica/12.0/scripts`

for versions 8.0, 10.0, 11.2, and 12.0, respectively.

When starting Mathematica for the first time, you are asked to activate it.

- Click “Other ways to activate”.
- Select “Connect to a network license server”.
- Type the server name `vmlnxlic64.mpip-mainz.mpg.de` and click “Activate”.
- Check the box next to “I accept the terms of this agreement”.
- Click “OK”.

If Mathematica complains about updates: it will do so only when started for the first time.

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Numerical Software

GNU Octave

GNU Octave offers a numeric programming language very similar to Matlab. Find it in your “Start” menu under “science” → “Gnu Octave” or start it from the command line using the following command:

- octave

Matlab

If you need Matlab, you can use the more current versions R2019a, R2018b, R2017a, and R2015b:

- /sw/linux/MATLAB/R2019a/bin/matlab
- /sw/linux/MATLAB/R2018b/bin/matlab
- /sw/linux/MATLAB_R2017a/bin/matlab
- /sw/linux/MATLAB/R2015b/bin/matlab

or the older versions R2009a, R2010a, R2012a, and R2012b:

- /sw/linux/MATLAB/R2012b/bin/matlab
- /sw/linux/MATLAB_R2012a/bin/matlab
- /sw/linux/MATLAB_R2010a/bin/matlab
- /sw/linux/matlabR2009a/bin/matlab