

# OCTAVE resources guide

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The GNU Octave is a software platform to solve numerical problems using an algebraic language similar to Matlab. As the Matlab is a commercial product with a constant updating and support it is easier to install and use. However, is expensive even for students licensing.

This document intends to help the students to easily find useful Octave resources to install and use the GNU Octave as well as to give links to the main sources of information about this platform.

As the Octave is an open source software platform you can find the sources at <ftp://ftp.gnu.org/gnu/octave> and if you feel with enough skills, you can also contribute.

To install the Octave you need to compile the sources or find a pre-compiled binary. This is the most difficult part, as you may not find a binary for your OS with the most recent version of the Octave source code, or even worst, you can find one, but stored in a non-official web site. So be careful.

## GNU Octave Installation

Windows binary (official) <ftp://ftp.gnu.org/gnu/octave/windows/>

Mac OS (official) [http://sourceforge.net/projects/octave/files/Octave\\_MacOSX\\_Binary/2013-12-30/binary\\_installer\\_of\\_Octave\\_3.8.0\\_for\\_OSX\\_10.9.1\\_%28beta%29/](http://sourceforge.net/projects/octave/files/Octave_MacOSX_Binary/2013-12-30/binary_installer_of_Octave_3.8.0_for_OSX_10.9.1_%28beta%29/)

Linux – You can find it on the package installer of Ubuntu

## Octave with Graphical Interface

In the 3.8.0 Octave version it was introduced for the first time a graphical user interface. To start the Octave in the GUI mode run the following command from a terminal window: `octave --force-gui` (Linux only)

## Octave Websites

<https://www.gnu.org/software/octave/> – The main page of the GNU Octave.

<http://octave.sourceforge.net> – Central location for the GNU Octave packages and official installation binaries.

[http://wiki.octave.org/Main\\_Page](http://wiki.octave.org/Main_Page) – Very useful wiki about GNU Octave with tons of information.

[http://en.wikipedia.org/wiki/GNU\\_Octave](http://en.wikipedia.org/wiki/GNU_Octave) – More information about GNU Octave at Wikipedia.

<http://bit.ly/GNUOctave> – Complete GNU Octave documentation.

<http://bit.ly/OctaveMan> – John Eton's Octave Manual.

## Matlab Language Guides

### Fast Guides

- [Matlab Primer](#) from Kermit Sigmon
- [Matlab Num Instante](#) from José Vieira
- [Getting Started](#) from Mathworks

### The Whole Story

- [Complete Matlab documentation in pdf](#)