

# Maxima Tutorial

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MAXIMA TUTORIAL for the First Course in Applied

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Maxima, a computer algebra system "Maxima is a system for the manipulation of symbolic and numerical expressions, including differentiation, integration, Taylor series, Laplace transforms, ordinary differential

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equations, systems of linear equations, polynomials, and sets, lists, vectors, matrices, and tensors.

wxMaxima download | SourceForge.net

The manual Maxima comes with in various formats.

Tutorials. Here is a collection of tutorials contributed

by wxMaxima users. If you wish to contribute a

tutorial, send it by email and I will add it to the list. 10

minute (wx)Maxima tutorial: a quick introduction to

wxMaxima and Maxima (by Žiga Lenar i ).

wxMaxima - documentation

Maxima distinguishes lower and upper case. All built-in

functions have names which are lowercase only (sin,

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cos, save, load, etc). Built-in constants have lowercase names (%e, %pi, inf, etc). If you type SIN(x) or Sin(x), Maxima assumes you mean something other than the built-in sin function. User-defined functions and variables can have names which are lower or upper case or both.

### Introduction to Maxima

Tutorial Software Maxima #1: Introducción + descarga Profe-Electro. Loading ... Tutorial de MAXIMA para RELATIVIDAD GENERAL [por DON'T BE CRUL] - Duration: 14:53. Javier Garcia 2,840 views.

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Dynamics and Dynamical Systems – Maxima Tutorial

En este tutorial aprende las funciones básicas sobre conjuntos y relaciones en el software Maxima paso a paso Si te gusto el video dale LIKE Y SUSCRIBETE ;) y comenta que fue lo que te gusto y lo ...

### Maxima Tutorial

Maxima is a fairly complete computer algebra system written in Lisp with an emphasis on symbolic computation. It is based on DOE-MACSYMA and licensed under the GPL free software license. Its abilities include symbolic integration, 3D plotting and solving differential equations.

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### Maxima Documentation

Maxima 5.42.0 Manual Maxima is a computer algebra system, implemented in Lisp. Maxima is derived from the Macsyma system, developed at MIT in the years 1968 through 1982 as part of Project MAC. MIT turned over a copy of the Macsyma source code to the Department of Energy in 1982; that version is now known as DOE Macsyma.

### Maxima - Community Help Wiki

3D Maxima Finder tutorial. Using same idea as the ImageJ Find Maxima function, the 3D Maxima Finder detects local maxima with high contrast. The 3D Maxima Finder plugin is part of the 3D ImageJ Suite.

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Basic principle. Local maxima in a specified radius are computed and sorted by intensity.

wxMaxima Introduction - University of Hawaii  
Maxima Documentation. Reference Manual (PDF version, EPUB version, Single-page HTML version);  
Xmaxima Reference Manual; Maxima by Example by Edwin L. Woollett; A 10 minute tutorial for solving Math problems with Maxima by Antonio Cangiano; Macsyma 's General Simplifier: Philosophy and Operation by Richard Fateman, first published in the Macsyma Users Conference, Washington D.C. 1979, in: MUC ...

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### Tutorial Software Maxima #3: Operaciones Sobre Conjuntos

Maxima Logic Tutorial Maxima is a GPL program, available for Windows, Mac, and Linux. It is a computer algebra system (CAS) like Maple or Mathematica.

There are various tutorials out there on how to use Maxima; this one is designed to focus on its use for digital circuit analysis; i.e. lots of use of Boolean algebra.

Maxima Tutorial: Second Course - Brown University  
Principally, the `rat` function with more than one argument and the `ratvars` function should not be used if any variables are `mode_declare'd` canonical rational

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expressions (CRE). Also the `prederror: false` setting will not translate. `savedef` - if true will cause the Maxima version of a user function to remain when the function is translated.

Tutorial Software Maxima #1: Introducción +  
descarga

A.4. Numbers. Maxima accepts real and complex numbers. Real numbers in Maxima can be integers, rationals, such as  $3/5$ , or floating-point numbers, for instance,  $2.56$  and  $25.6e-1$ , which is a short notation for  $25.6 \times 10^{-1}$ . Irrational numbers, such as `sqrt(2)` (square root of 2) or `log(2)` (natural logarithm of 2) are left in that form, without being approximated by

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floating-point numbers, and ...

Maxima, a Computer Algebra System

Tus primeros pasos en Software Maxima: Funciones basicas, estructura, comandos, familiarizacion con la plataforma Si te gusto el video dale LIKE Y SUSCRIBETE ;) y comenta que fue lo que te gusto y ...

Maxima Tutorial

The Computer Algebra Program Maxima - a Tutorial. Preliminary version from Feb 15, 2005; revised Aug 28, 2005. Distribution is encouraged, comments are welcome and should be mailed to the editor.

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Tutorial Software Maxima #2: Primeros Pasos  
wxMaxima Introduction What is wxMaxima? wxMaxima is a computer algebra system (CAS). Imagine a calculator which understands not only numbers but variables as well. Maxima can do virtually all of the mathematics you have learned up to now – FOILing, simplifying, rationalizing, solving, graphing, functions, fractions,

Maxima 5.42.0 Manual:

Download wxMaxima for free. Cross platform GUI for Maxima. wxMaxima is a cross-platform graphical front-end for the computer algebra system Maxima based on

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wxWidgets. It provides nice display of mathematical output and easy access to Maxima functions through menus and dialogs.

### Maxima Manual - Function Definition

The purpose of this tutorial is to introduce students in APMA 0330 (Methods of Applied Mathematics - I) to the computer algebra system Maxima. Maxima is a system for the manipulation of symbolic and numerical expressions, including differentiation, integration, Taylor series, Laplace transforms, ordinary differential equations, systems of linear equations, polynomials, and sets, lists, vectors ...

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Maxima Logic Tutorial - Wilfrid Laurier University  
Maxima Tutorial for the Second Course. This tutorial contains Maxima programs that are free: you can redistribute codes and/or modify scripts under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version. This tutorial is distributed in the hope that its material and codes will be useful ...

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