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The background= p option accepts a color or image as the background of the animation, as described in the plot/options help page. With the animate command, additional values for p are allowed. The value of p can be a PLOT or PLOT3D object (the output of a 2-D or 3-D plotting command) or a list of such objects. In the latter case, the plots[display] command will be called to combine the plot ...

plots - Maple Programming Help

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Using the Interactive ODE Analyzer Assistant The application has several windows for various tasks, as explained in the following sections. To launch the ODE Analyzer Assistant: From the Tools menu, select Tutors , Differential Equations , and then ODE...

Using the Interactive ODE Analyzer Assistant - Maple ...

These options are the same as found for plot (in the case of 2-D solution curves) or those found for plot3d (in the case of 3-D solution curves). See plot/options and plot3d/option for details. The result of a call to odeplot is a PLOT or PLOT3D data structure which can be rendered by the plotting device.

plots - Maple Programming Help

The ODE Analyzer Assistant is a point-and-click interface to the ODE solver routines. Using the assistant, you can compute numeric and exact solutions and plot the solutions. For more information, see dsolve[interactive] and worksheet/interactive/dsolve. •

dsolve - Maple Programming Help

Obtaining the Exact Solution of a First Order ODE We can take an initial condition into account using Maple and determine an exact solution that depends on the initial condition. Solving an ODE that has an initial condition is again done using the dsolve command.

Maple: Solving Ordinary Differential Equations

For more information, visit us at: <http://www.maplesoft.com/products/Maple/?ref=youtube> In this video, learn why Maple can solve differential equation proble...

Differential Equations in Maple - YouTube

For second order ODEs integrating factors depending on three variables, (x,y,y') always exist - their determination however may be as difficult as solving the ODEs themselves. However, integrating factors of the form $\mu(x,y)$, $\mu(x,y')$, $\mu(y,y')$, that is, depending on just two variables, when they exist, can be determined systematically (see E.S. Cheb-Terrab and A.D. Roche, "Integrating factors ...

Solving Second Order ODEs by Computing ... - Waterloo Maple

The PDEtools package is a collection of commands and routines for finding analytical solutions for partial differential equations (PDEs) based on the paper "A Computational Approach for the Analytical Solving of Partial Differential Equations" by E.S. Cheb-Terrab and K. von Bulow (see References), and

Analytical Solutions of PDEs using PDEtools in Maple

Getting Started with Differential Equations in Maple September 2003 In this Maple session, we see some of the basic tools for working with differential equations in Maple. ... Notice that a quick glance at the direction field let's us predict how the solutions will behave. Before proceeding, print a copy of the above direction field, and sketch ...

Getting Started with Differential Equations in Maple

Numeric solutions of ODEs in Maple The purpose of this worksheet is to introduce Maple's dsolve/numeric command. There are many examples of differential equations that Maple cannot solve analytically, in these cases a default call to dsolve returns a null (blank) result: `ode := diff(y(x),x,x) + y(x)^2 = x^2; dsolve(ode);` `ode:= d2 dx2 y x Cy x 2 ...`

Numeric solutions of ODEs in Maple

`end # Note that the solution is returned as a procedure rkf45_x, displayed in abbreviated form. # We will use function odeplot() to get a sketch of the result. # This function is given here with tree arguments: # - the name of the procedure returned by dsolve(), # - a list with the names of the independent and dependent variables, and # - a ...`

Solving Ordinary Differential Equations with Maple...

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MapleStory The Animated Movie - The Full Story - YouTube

SAT Math Test Prep Online Crash Course Algebra & Geometry Study Guide Review, Functions, Youtube - Duration: 2:28:48. The Organic Chemistry Tutor 1,777,358 views

Maple animation of the example

V. Differential Equations. 1. Vectorfields: This animation uses the vector field given by a separable differential equation as the background. Starting with the point (p,q) , selected by the user, it graphs the solution. As usual, a and b give the domain, c and d give the range, and n gives the number

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of frames.

MAPLE animations - Calculus

For instance, it can manipulate mathematical expressions and find symbolic solutions to certain problems, such as those arising from ordinary and partial differential equations. Maple is developed commercially by the Canadian software company Maplesoft. The name 'Maple' is a reference to the software's Canadian heritage

Maple (software) - Wikipedia

Next, create a stop-motion animation object of the first pendulum bob by using the `fanimator` function. By default, `fanimator` creates an animation object with 10 generated frames per unit time within the range of t from 0 to 10. Plot the coordinates by using the `plot` function. Set the x-axis and y-axis to be equal length.

Animation and Solution of Double Pendulum Motion - MATLAB ...

Software - Maple, MATLAB Handouts/Worksheets . Nonhomogeneous Heat Equation; PDE Review - Chapters 3 and 4; Maple Files . Maple Basics: HTML, Basic.mws (Release 5.1) WaveRep.mws (Maple 6) d'Alembert's Solution Fixed ends, One Free End; Examples of Solving Differential Equations in Maple First Order PDEs - char.mws, char2.mws

Software - Maple, MATLAB - University of North Carolina ...

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