

Maple Essentials for College Teachers

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Topics

- Maple Overview
 - Versions...
- Teaching Demo
 - Essentials
 - Tips, Tricks...
(More Advanced Topics)
- Next Steps
 - Getting a copy
 - Teaching
- Discussion

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Maple Versions

- ~1 upgrade/year
 - ☺ Constant enhancement
 - ☹ Constant upgrading and installing
- Version 15 (April 2011)
 - Performance – uses dual-core PC's etc
 - Added functions (stats etc)
- Version 14 (April 2010)
 - New "helpers" (tasks, tutors, demos).
 - Maple Cloud

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Maple Versions

- 11, 12, 13 (previous years)
 - User interface enhancements
 - More functions
 - Documents mostly interchangeable
- 10 (2005)
 - New document format
 - Previous versions use "Classic" Maple

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Uses

- In class demos
 - Animations
- Exploring Potential Assignments
- Solutions
 - Entirely in maple
 - Paste into Word, MathType
- Informal Use
 - Inspiring you, students...

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Levels of Use...

- Teacher use only
- Occasional Student Usage
 - I use for take-home assignments
 - Calc 1 upwards, more in calc 4, diffeq
- Extensive Student Use
 - Lab-based classes
 - Students need training and support

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Tutorial...

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How to Get

- Disclaimers:
 - Not a sales pitch!
 - Don't have info on pricing etc
- Personal copies
 - MAPLE adoption program
<http://www.maplesoft.com/academic/adoption/index.aspx>
 - Your syllabus must say "Maple recommended or required"
 - You get a home copy
 - Students get 25% discount (~\$75 for download)
- Site license
 - Couple of \$1000/year maintenance agreement

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Maple Resources

- Within Maple
 - Help (F1 and ?)
 - Especially examples in help!
- Maple Portal
 - Maple Cloud (user contributed)
- <http://maplesoft.com/support/training/index.aspx>
 - Training Videos
 - Quick Reference Card
 - MaplePrime Repository

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Going Further

- Training Videos at Maplesoft
 - Quick Start Tutorial
 - Webinars
 - Maple for Educators
 - Maple for Engineers
- Tutorials at Maple Portal

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Recap

- Background
- Basics
 - Point and Click
 - Commands
- Getting and Using
- Going Further

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Discussion...

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