

Re: Maple Vs Mathematica

Source: <http://sci.tech-archive.net/Archive/sci.math.symbolic/2005-12/msg00034.html>

- *From:* "Nasser Abbasi" <nma@xxxxxxxx>
 - *Date:* Sat, 03 Dec 2005 23:20:15 GMT
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<kush99@xxxxxxxx> wrote in message
news:1133487691.117787.299190@xx
>I am considering buying a symbolic computation software. These can be
> expensive softwares so I am careful about making choices. What are
> the
> reasons for obtaining Maple and not Mathematica? Thanks in advance.
>
>

I have started working on solutions to basic engineering problems in Maple, Mathematica and Matlab.

I have 79 examples so far implemented in Matlab and Mathematica side-by-side and started to add Maple solution as well to the same examples. May be you can use this to compare.

here is the web page

http://12000.org/my_notes/mma_matlab_control/index.htm

It also comes down to what you want to use the software for. Some have more functionality than others depending on the field.

For example, just between Mathematica and Maple, Mathematica has more functionality in image processing and control systems (but these are in extra packages that one can buy). On the other hand, from what I read, Maple is supposed to be stronger in group theory math stuff.

This page compares performance of solving ODE's between Mathematica 4.1 and Maple 7 (might be out of date)
<http://www.scg.uwaterloo.ca/~ecterrab/odetools/comparison.html>

this page has critique of Math ability of different CAS systems
http://math.unm.edu/~wester/cas_review.html

There is one advantage to Maple over Mathematica (if this is important

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for you): in Maple one can list the source code for most of the system functions. In Mathematica the source code is not available to look at.

Nasser

- **Follow-Ups:**

- ◆ **Re: Maple Vs Mathematica**
◇ From: John Francis

- **References:**

- ◆ **Maple Vs Mathematica**
◇ From: kush99

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