

Can Mathematica help me?

Source: <http://sci.tech-archive.net/Archive/sci.math/2008-04/msg02878.html>

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 - *Date:* Tue, 15 Apr 2008 13:00:45 -0700 (PDT)
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I have questions about the use of Mathematica.

I'm new to this, having had no experience with sophisticated mathware. I have no knowledge at all of programming languages. But I'll try to learn whatever Mathematica requires.

I'm thinking of buying an older version of Mathematica which is suitable for my old iMac (2001: - G3 500 Mhz processor with 256 MB SDRAM memory; with a Mac OS X 10.3.9).

What I'm especially concerned about is this:

I'm guessing that Mathematica would be able to deal with a group of eight algebraic equations in eight unknowns, to either give me a unique solution or let me know if I need more equations to find unique solutions. But I don't know for sure, since I'm pretty naive in this area. I believe the procedure is called numerical analysis. Does it have this capability and would I be able to have the solutions (assuming that there are any) with an accuracy of about 12 decimal points?

Thanks,
Gene

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