

Re: Maple's linear algebra routine and higher precision arithmetic

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- *From:* Ronald Haynes <ronald.haynes@xxxxxxxxxx>
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Hi, many thanks... I just want to test the validity of some lower precision results with results generated by increasing levels of precision.

Would defining the matrix entries as -1.0 4.0 1.0 do the trick to force floats?

Thanks,
R Haynes

On Mon, 29 May 2006 17:44:19 +0000, Robert Israel wrote:

In article <pan.2006.05.29.15.19.31.155994@xxxxxxxxxx>, Ronald Haynes <ronald.haynes@xxxxxxxxxx> wrote:

Hi, does Maple's linear algebra routine MatrixInverse play nicely with the Digits command? If I set Digits:=50 and compute a Matrix Inverse will the arithmetic all be done to 50 digits?

Yes, it will (if the original matrix involves floats). Note that "to 50 digits" doesn't mean that the results are accurate to 50 digits, but rather that the calculations are done with Digits set to 50.

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