
Subject: Re: problem inverting matrix

Posted by [David Fanning](#) on Mon, 06 Jan 2003 15:08:35 GMT

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Lars Schmidt (lars@itandesign.com) writes:

- > I desperately hope someone of you has got an idea.
- > I try to invert a matrix using "invert" of course with floating-point
- > values.
- > I get like explosion of values although the status variable I used with
- > "invert" did not return any error and I also used the "/double" keyword.
- > Has anybody an idea or experience with that. Are these numerical problems of
- > the gaussian elimination??

When these numbers "exploded", did anyone get hurt? There is too much of this going on in the world right now. :-(

Did the numbers explode in the direction of 0?
That is, do these numbers look like some deranged person's attempt to represent a very small number?
If so, it may just be your computer playing tricks on you. Computers have a very difficult time representing something as small as zero.

You might be interested in this article:

http://www.dfanning.com/math_tips/sky_is_falling.html

Cheers,

David

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