Subject: Re: accuracy problems

Posted by davidf on Thu, 27 Apr 2000 07:00:00 GMT

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- > I've a very strange problem: I'm running IDL 5.2.1 on a Pentium III 500 with
- > Windows NT. When I read data from a file into a variable, IDL always makes a
- > truncation. Even when I type it at the IDL prompt.
- > For example:

>

- > IDL> a=2.83456
- > IDL> print, a

>

> IDL prints: 2.00000

>

- > Its equal if I define the variable as float or double, the result is always
- > the same.

>

> Does anyone have a idea how this can happen,

You have the Student Edition of IDL. All numbers are automatically truncated to the 10 counting digits you have available on your hands. A compiler option will extend this to the toe digits as well.

Cheers,

David

P.S. Let's just say there is something seriously wrong with IDL, or you are not telling us *something* about how you created those numbers. You aren't trying to get the variable a by reading it from the keyboard into a integer variable you? :-)

--

David Fanning, Ph.D.

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Coyote's Guide to IDL Programming: http://www.dfanning.com/

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: accuracy problems

Posted by davidf on Fri, 28 Apr 2000 07:00:00 GMT

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- > The solution of my problem was just the different country specific setting
- > in IDL and Windows NT.
- > In Windows NT I had the German setting with comma as decimal point. This
- > seem to cause the trouble in IDL. I changed the NT settings and now IDL
- > works just normal.

Whew! My faith in IDL is restored. :-)
Thanks for letting us know what the problem was.

Cheers.

David

P.S. Let's just say I'm feeling better today, and I've written a note to myself that I placed on my computer screen. It says, "It's too nice a day to be GRUMPY." I'm going to try to read it before I make any more newsgroup postings. :-)

--

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David Fanning schrieb in Nachricht ...

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