
Subject: Re: mathematics-accuracy

Posted by [David Fanning](#) on Wed, 15 Nov 2006 21:43:21 GMT

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creon writes:

> Hello. I've been having a problem on math operations with floating
> point numbers. I'll be thankful if you help me out with this.
> Now, I have a series of floating-point numbers - `str={arr:findgen(x)}`,
> codes.... the first element of the series is 1.20740. i need to get the
> square of this, which is 1.45781. when i type
> `print, str.arr[0]^2`
> it returns 1.45780. i tried setting the data types to double - with
> `dindgen-`, and had 1.45783. I don't know what the problem is, and how i
> can fix it. please help. thanks.

I think you can fix most of your problems by reading this
article, especially the section in the middle about how
PRINT works:

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

Cheers,

David

P.S. Hint, use the FORMAT keyword.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
