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Subject: Re: rounding errors

Posted by [Randall Skelton](#) on Fri, 27 Apr 2001 14:51:05 GMT

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On Fri, 27 Apr 2001, Liam E. Gumley wrote:

```
> This is a subtle but important point. DOUBLE() is a type conversion
> function, and
>
> a = double(2.348339)
>
> shows a FLOAT argument being converted to a DOUBLE. The safest way to
> 'cast' a double variable is
>
> a = 2.348339d
[snip]
```

Wow... I am glad that I have now learned that particular 'IDL feature' early on in my PhD. Just yesterday, I convinced the department that we really need a few good IDL programming books as the current 'learning-by-fire' approach could have some unfortunate consequences ;)

Oh well, back to searching my IDL code for incorrect double precision constants...

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