
Subject: Re: Converting Doubles to Strings
Posted by [R.Bauer](#) on Mon, 07 Nov 2005 19:53:50 GMT
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David Fanning wrote:

> Folks,
>
> I've run into an interesting problem. I have a double precision
> number that I wish to convert to a string (so I can put it into
> a text widget, for example). I don't know ahead of time how many
> significant digits will be in this number. The number could
> look like this 45.6, or this 123456789.123456789, or this
> -22.1234567890. If it looks like the latter number, I am
> having a very hard time converting it to a string. For example,
> this doesn't work:
>
> IDL> v = String(-22.1234567890, Format='(D0)')
> IDL> Print, v
> -22.123457
>

David
the sky is falling down

Why do you think that 22.1234567890 is of type double. This is float!

Probably it's only a type mismatch in this example here.

I prefer the 'G' format

```
IDL> print, String(-22.1234567890D, Format='(G)')  
-22.12345678900000
```

instead of

```
IDL> print, String(-22.1234567890D, Format='(D)')  
-22.1234567889999987
```

cheers
Reimar

> Is this a bug in IDL? Or am I overlooking something?
>

> Cheers,
>
> David
