
Subject: Re: problem string from double missing digits
Posted by [R.Bauer](#) on Thu, 11 Sep 2003 13:35:55 GMT
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James Kuyper wrote:

> Reimar Bauer wrote:

>

>> Hi all,

>>

>> did someone know what here is going on.

>>

>> IDL> d = 98046763.617D

>> IDL> s = string(d)

>> IDL> PRINT,s

>> 98046764.

>> IDL> HELP,s

>> S STRING = ' 98046764.'

>>

>> Where are the digits ????

>

> ...

>

>> Or does it mean I have first to determine the Format of the number and I

>> have to use this information to get the right number.

>

>

> If you don't like the default format, you do have to specify the
> particular alternative you wish to use. However, you don't have to be
> explicit:

>

> IDL> PRINT,string(d,FORMAT='(F)')

> 98046763.6169999990000000

>

> That's overkill, but at least you didn't lose anything. Coming from a C
> background, I personally prefer:

>

> IDL> PRINT,string(d,FORMAT='(%%f)')

> 98046763.617000

>

> ...

This is exactly what I wanted to have. I missed to test C Formatting codes.

>

>> This goes right. But my feeling is this is terrible. Because I bet noone
>> takes care on this. What's your feeling?

>

>

- > My feeling is that you'd lose your bet. Almost everyone who spends much
- > time printing floating point numbers ends up sooner or later having to
- > override the default formats.

I am not sure because many times it works for float. double makes the difference.

Thanks

Reimar

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a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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