## Subject: number format in structure Posted by Koh Leong Tah on Mon, 26 Sep 2005 01:16:09 GMT

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Hi All,

does anyone happen to know how I can specify the format to which numbers stored in structure tags should adhere?

for example, I'd like to (hypothetically) be able to do

 $s={a:3.2f,b=2.3f}$ 

s.a=123.12345678

will yield

print,s.a 123.12

Any ideas?

Thanks, KL

Subject: Re: Number format

Posted by Wout De Nolf on Sat, 11 Sep 2010 09:45:58 GMT

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On Fri, 10 Sep 2010 20:43:57 -0700 (PDT), mahesh <mkmvarma@gmail.com> wrote:

- > How do I change the format of numbers. For example : from '9.5600' to
- > '9.56E+00'. I need to write the numbers in this format into a text
- > file. I know there is 'FORMAT' function in IDL. I tried using it right
- > after the printf statement. But it is not converting it to the format
- > I wanted.
- > Thanks,
- > Mahesh

IDL> print,9.56,format='(E10.2)' 9.56E+000

This means: scientific notation, 2 digits after the decimal point and a string length of 10 characters. Make sure this string length is large enough (depends on the numbers you're printing). On a windows platform, the exponent has 3 digits, on Linux it has 2. I don't think

you ca	n change	that (off	course	you can	manipulate	the	string	itself
before	printing it	).						

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