
Subject: formatting exponential notation

Posted by Steve.Morris@libero.i on Fri, 10 Mar 2006 13:33:08 GMT

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Hi all,

I need a quick advice on the way to write number in the exponent format I want.

For example, I want the number printed on my screen in the following form

-2.3435e-5

i.e. 4 digits after the point and as function of e-5

Any suggestion? I have tried to use the format='(EX.X)' but without much of a success :(

Subject: Re: formatting exponential notation

Posted by [David Fanning](mailto:David.Fanning) on Mon, 20 Mar 2006 20:08:00 GMT

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Steve.Morris@libero.it writes:

- > it looks like work very nicely in trimming the decimals, but can you
- > also set the exponent format?
- > Like, asking to have all numbers with e.g. 4 decimals and writted as
- > function of e-5 ?
- > so, if you have like 24.53214e-6 writte 2.4532e-5

You can do whatever you like. The code is available. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Subject: Re: formatting exponential notation

Posted by Steve.Morris@libero.i on Wed, 22 Mar 2006 14:35:41 GMT

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I multiply the number by 1e5 and write with 4 decimal digits and works like a charm :))))

I think there's a bug somewhere, but didn't get time to go through. For example 0.99 when approximated with 1 decimal digit is written 0.1 rather than 1.0

Subject: Re: formatting exponential notation

Posted by [David Fanning](#) on Thu, 23 Mar 2006 02:17:25 GMT

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Steve.Morris@libero.it writes:

> I think there's a bug somewhere, but didn't get time to go through. For
> example 0.99 when approximated with 1 decimal digit is written 0.1
> rather than 1.0

Humm, indeed. But the bug didn't yield in the 20 minutes
I was able to devote to the problem. I'll have to get to
it later this week.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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Subject: Re: formatting exponential notation

Posted by [David Fanning](#) on Sat, 25 Mar 2006 13:37:56 GMT

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Steve.Morris@libero.it writes:

> I think there's a bug somewhere, but didn't get time to go through. For
> example 0.99 when approximated with 1 decimal digit is written 0.1
> rather than 1.0

I think this is fixed now.

http://www.dfanning.com/number_formatter.pro

Cheers,

David

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