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Subject: Re: How to print tickname in exponential format as '10^2'

Posted by [David Fanning](#) on Fri, 21 Dec 2007 02:04:46 GMT

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duxiyu@gmail.com writes:

- > Using format code '(e)', I can print 100 as '1.00e+002'.
- > But I want to print it in exponential format as '10^2' and 2 is
- > superscript for 10.
- > I want to print it like this in a log-log plot as the tickname.
- > For example, when I set yrange=[0.001,10000], the yticknames are shown
- > in exponential format I described above.
- > When I set yrange=[0.001,100], the yticknames are shown as 0.001, 0.1
- > and so on.
- > I want to take the yticknames in the second situation shown as the
- > same format as it in the first situation.
- > But I don't find the appropriate format code for this purpose.

You are going to have to roll your own:

<http://www.dfanning.com/tips/exponents.html>

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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Subject: Re: How to print tickname in exponential format as '10^2'

Posted by [Brian Larsen](#) on Fri, 21 Dec 2007 14:38:05 GMT

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Also don't forget logticks\_exp() from this post:

[http://groups.google.com/group/comp.lang.idl-pvwave/browse\\_frm/thread/fb4d6ebe49a3b073/49f61fc123ab9c1b?lnk=gst&q=logticks\\_exp](http://groups.google.com/group/comp.lang.idl-pvwave/browse_frm/thread/fb4d6ebe49a3b073/49f61fc123ab9c1b?lnk=gst&q=logticks_exp)

Brian

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Brian Larsen  
Boston University  
Center for Space Physics

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Subject: Re: How to print tickname in exponential format as '10^2'  
Posted by [duxiyu@gmail.com](mailto:duxiyu@gmail.com) on Sun, 23 Dec 2007 13:43:11 GMT  
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Thanks for the both.  
It is very helpful.

Best regards,  
Du

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