
Subject: Re: plot label help

Posted by [rickeym](#) on Fri, 10 Oct 1997 07:00:00 GMT

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Here's the one I wrote. It's not a thing of beauty. It works great but has one flaw. Instead of printing 10^0 , it justs prints 10. The other exponents print out fine. Again any help appreciated.

FUNCTION LOGTICKS, axis, index, value

```
IF value/10.0^9 EQ 1.0 THEN n = 9
IF value/10.0^8 EQ 1.0 THEN n = 8
IF value/10.0^7 EQ 1.0 THEN n = 7
IF value/10.0^6 EQ 1.0 THEN n = 6
IF value/10.0^5 EQ 1.0 THEN n = 5
IF value/10.0^4 EQ 1.0 THEN n = 4
IF value/10.0^3 EQ 1.0 THEN n = 3
IF value/100 EQ 1.0 THEN n = 2
IF value/10.0 EQ 1.0 THEN n = 1
IF value EQ 1.0 THEN n = 0
IF value*10.0 EQ 1.0 THEN n = -1
IF value*100 EQ 1.0 THEN n = -2
IF value*10.0^3 EQ 1.0 THEN n = -3
IF value*10.0^4 EQ 1.0 THEN n = -4
IF value*10.0^5 EQ 1.0 THEN n = -5
IF value*10.0^6 EQ 1.0 THEN n = -6
IF value*10.0^7 EQ 1.0 THEN n = -7
IF value*10.0^8 EQ 1.0 THEN n = -8
IF value*10.0^9 EQ 1.0 THEN n = -9
```

```
RETURN, STRING(n, $
    FORMAT=("'10!E',i2.0)")
END
```

Rick McDaniel
Clemson University

In article <343D09D4.2781@fz-juelich.de>, "R. Bauer"
<r.bauer@fz-juelich.de> wrote:

> Rick McDaniel wrote:

>>

>> I'm using IDL to plot a curve on a log-log scale. I want the y axis
>> labels to be in powers of 10 (i.e. 10^0 , 10^1 , 10^2 , ect). Some times the
>> yxis is lableld the way i want, other times the axis reads 1.0, 10.0,
>> 10.0, ect. Is there a way to always have the y axis labels the way i
>> need. Thanks for any help!

>>

```
>> Rick McDaniel
>> rickeym@hubcap.clemson.edu
>
> you can write a function which will be called by axes
> xtickformat='my_numberformat'
>
> There is an example on page 65 reference guide idl5
>
> --
> R.Bauer
>
> Institut fuer Stratosphaerische Chemie (ICG-1)
> Forschungszentrum Juelich
> email: R.Bauer@fz-juelich.de
```
