
Subject: Re: Labelling the axes on a log plot
Posted by [Brian Larsen](#) on Sat, 07 Jun 2008 22:51:51 GMT
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On Jun 7, 11:10 am, clivecoo...@gmail.com wrote:

> So i want to label a log axis for example with these values -> 1. 0.1
> 0.01 0.001 etc however what i get is 1.000 0.100 0.010 my problem is
> the zeros after the value after the decimal point. What is the format
> code to do this correctly

Clive, the number of zeros after the decimal point is set so that they all are the same length... but that you knew. I don't know how to change that other than specifying them yourself with ytickname.

Another option (but not what you wanted) is logticks_exp from this post:

http://groups.google.com/group/comp.lang.idl-pvwave/browse_frm/thread/fb4d6ebe49a3b073/49f61fc123ab9c1b?lnk=gst&q=logticks_exp

Cheers,

Brian

Brian Larsen
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Subject: Re: Labelling the axes on a log plot
Posted by [Jeremy Bailin](#) on Sun, 08 Jun 2008 17:19:58 GMT
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Here's an equivalent function, based heavily on Paul's code, that should do what you want:

```
FUNCTION croppedtickmarks, axis, index, value
; number of decimal digits:
ndecdig = ceil(-(alog10(value))) > 0
; string version
ndigitstr = string(ndecdig, format='(I0)')
; reformat value with the desired number of decimal places. use
integers for 0
if ndecdig eq 0 then tickmark = string(value, format='(I0)') $
  else tickmark = string(value, format='(F0.'+ndigitstr+')')
return, tickmark
END
```

-Jeremy.
