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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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>> 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  
> 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...](http://groups.google.com/group/comp.lang.idl-pvwave/browse_frm/thread...)

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.

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