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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\_thread/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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