
Subject: Re: IDL: plots in semi- or log-log
Posted by [James Tappin](#) on Tue, 11 Mar 1997 08:00:00 GMT
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Tony Adriaansen wrote:

```
>
> In article <331AC300.41C6@obs-nice.fr>,
> Frederic Paletou <paletou@obs-nice.fr> wrote:
>> Hi there,
>>
>> I'm wondering if there's a simple way to avoid getting
>> a 10^0 tickmark when using a log-axis with PLOT.
>>
>> Cheers,
[SIG.SNIP]
>
> Hi Frederic,
> There's a real simple way IF 10^0 is your FIRST tickmark:
>
> plot_o,x,y,xtickname='1'
>
> This replaces the first tickmark label only, IDL/PVWAVE
> puts in the others.
>
> Where 10^0 is NOT the first ticklabel, make a string array containing
> the real labels:
>
[SIG.SNIP]
```

Or more elegantly define a tick format function e.g.

```
FUNCTION ltformat, iax, index, val
```

```
  jpow = round(alog10(val))
  if (jpow eq 0) then return, '1' $
  else return, string(jpow, format=("(10!u',i0,'!n')")
```

```
end
```

```
then do (e.g.)
plot, x,y, xtickformat='ltformat', /xlog
```

```
--
```

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+-----+-----+-----+
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