
Subject: Re: plot_oo question

Posted by [jeyadev](#) on Mon, 13 Mar 1995 16:37:22 GMT

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Previously I had written:

```
>> So I issue the command
>>
>> plot_oo, x, y, xrange = [1,100], yrange = [0.03, 0.3]
>>
>> and what I get is a plot with the y axis ticks being completely messed
>> up, but for the tick at 0.1. Messing around, I discovered that Wave
>> seems to have a problem in locating the tick marks correctly if one
>> complete decade starting or ending at a power of 10 is not used for
>> the range. I would guess that this is a well known problem. Does anyone
>> know of a workaround?
>>
>> An associated problem is the following. When yrange is set to [0.1,0.3]
>> for the *same* data, there is, as expected, one tick along the y axis
>> at 0.2. But the label at the upper end of the y axis is messed up. It
>> reads 1.0 instead of 0.3. Again, I would guess that this is a well
>> known effect. Any simple workarounds?
>> --
```

to which I got the reply (from David Fanning at IDL,
davidf@linden.fortnet.org)

```
> Nothing to be done about the axis labels, but if you want to force
> the y axis range to be something other than a power of ten, set
> the YStyle keyword equal to 1. This will overcome PV-Wave's
> "aesthetic sensibilities" and tells the program to do EXACTLY
> what you said to do!
>
> Like this:
>
> plot_oo, x,y , xrange=[1,100], yrange=[0.03,0.3], ystyle=1
```

Firstly, I had forgotten to put the /ystyle in the command line when I made the post, but I did include it in Wave. So the above mentioned problem still stands. I called Wave and they agreed that there was a bug and so a report has been logged. Funny that it has not been noticed so far!

Thanks, David.

sj

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