
Subject: Re: PV-WAVE and x-axis annotations
Posted by [rivers](#) on Wed, 01 Mar 1995 23:53:30 GMT
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In article <3j1m4i\$fkq@elna.ethz.ch>, csillag@iem.ee.ethz.ch (Andre Csillaghy) writes:
> I cannot get PV-WAVE to write coorectly (with the PostScript driver)
> an x-axis annotation with exponents. The number in the exponent
> is touching the axis so that it looks ugly. I tried so many settings of
> margin, position, etc that I am getting sick and tired of such pv-wave imperfections (in my
opinion it should be done right without even having to change any system variable).
>
> So two questions:
>
> 1- How can I do it right ?
> 2- Does that problem exist in IDL ?

Those are hard questions to answer without an example of a program which looks bad in PV-WAVE. However, I just did the following in IDL

```
; IDL Version 3.6.1a (vms alpha)
; Journal File for CARS3::RIVERS
; Working directory: USER_DISK:[RIVERS.COMMITTEES]
; Date: Wed Mar 1 17:21:00 1995
```

```
y = 1. + findgen(1000)
x = 1000 * y
set_plot, 'ps'
device, xsize=10, ysize=7, /inch, /land
!p.font=0
plot_io, x, y
device, /close
$print idl.ps
```

With this example, the X axis exponents do not touch the X axis, although they are close. Note that this was done with the default Postscript hardware font and font size (!p.font=0).

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Subject: Re: PV-WAVE and x-axis annotations
Posted by [mfishler](#) on Mon, 06 Mar 1995 14:20:34 GMT

In article <3j1m4i\$fkq@elna.ethz.ch>, csillag@iem.ee.ethz.ch (Andre Csillaghy) writes:
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> is touching the axis so that it looks ugly. I tried so many settings of
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> So two questions:
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> 1- How can I do it right ?
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>

Can't help with Q#2, but for Q#1 here are a couple of ideas:
One option (perhaps not ideal) would be to prepend a carriage return ('!C')
to your xaxis annotation, thereby shifting the entire annotation down away from
the axis. Another possibility (probably even less desirable) would be to use
XYOUTS to position the xaxis annotation explicitly instead of having PLOT do
it for you.

Take your pick. Enjoy.
==Matthew

--

```
+-----+-----+-----+-----+
|(_|_ | Matthew G. Fishler |           |
| ___ | The Johns Hopkins School of Medicine | "It is a miracle |
| (_)| 720 Rutland Ave --- 701 Traylor Bldg | that curiosity |
| _  | Baltimore, MD 21205 | survives formal |
| (_ | tel:(410)955-0077 fax:(410)955-0549 | education." |
| (_ | e-mail: mfishler@bme.jhu.edu | --Albert Einstein |
+-----+-----+-----+-----+
```
