
Subject: Re: PV-Wave plotting adventures
Posted by [mgs](#) on Wed, 02 Jun 1999 07:00:00 GMT
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In article <37556853.E138DD23@ssec.wisc.edu>, Liam Gumley
<Liam.Gumley@ssec.wisc.edu> wrote:

```
> Martin LUETHI GL A8.1 2-4092 wrote:
>> Here is a little caveat for all users of PV-Wave plotting routines (I hope
>> this is fixed in IDL!). The errors appeared in PV-WAVE v6.10 (Solaris) but as
>> far as I remember were in all earlier versions (however I did not fully
>> realize the reason of this sometimes strange behaviour...)
> [examples deleted]
>
> The following example produces interesting results in IDL 5.2:
>
> window,/free,xs=500,ys=800
> !p.multi=[0,1,3,0,0]
> !p.charsize=2.0
> dx=1.0d-4
> plot,[0],[0],xrange=[x0,x0+dx],yrange=[x0,x0+dx],xstyle=1,ys tyle=1
> dx=1.0d-3
> plot,[0],[0],xrange=[x0,x0+dx],yrange=[x0,x0+dx],xstyle=1,ys tyle=1
> dx=1.0d-2
> plot,[0],[0],xrange=[x0,x0+dx],yrange=[x0,x0+dx],xstyle=1,ys tyle=1
>
> The non-uniform tick spacing on the Y axis of the middle plot is quite
> novel.
>
> Cheers,
> Liam.
```

Grid spacing on the top plot is non-uniform for MacOS and Windows with
x0=100.0d0, and non-uniform on the middle plot with x0=1000.0d0. Is that
also true with UNIX variants?

```
IDL> Help, !Version, /Str
** Structure !VERSION, 5 tags, length=40:
  ARCH      STRING  'PowerMac'
  OS        STRING  'MacOS'
  OS_FAMILY  STRING  'MacOS'
  RELEASE    STRING  '5.2'
  BUILD_DATE  STRING  'Oct 30 1998'
```

```
IDL> Help, !Version, /Str
** Structure !VERSION, 5 tags, length=40:
  ARCH      STRING  'x86'
  OS        STRING  'Win32'
```

OS_FAMILY STRING 'Windows'
RELEASE STRING '5.2'
BUILD_DATE STRING 'Oct 30 1998'

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