
Subject: Re: /NORM with OPLOTT and other thoughts

Posted by [toma](#) on Mon, 17 Aug 1992 11:17:55 GMT

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In article <16AUG199217070886@stars.gsfc.nasa.gov> landsman@stars.gsfc.nasa.gov (Wayne Landsman (301)-286-3625) writes:

>

> I am trying to write the annotation on a plot, which explains the
> meaning of each of the PSYM symbols I used. When writing annotation
> I like to use normalized coordinates. But, as far as I can tell, the
> /NORMAL (and /DEVICE) keywords are ignored by OPLOTT.

> What would be really nice would be if I could write the PSYM characters
> with XYOUTS, so that I could write my annotation with a single line.

I think that the PLOTS procedure will do what you want.
You can also use it to draw linestyle on the legend.

Example:

```
; If this is a line plot
; Draw linestyle on legend
; Endif else
; Draw symbol on legend
; Endelse
```

```
if jsym eq 0 then begin
  plots, [xoff+xl,xoff+xr], [ypt,ypt], linestyle=jlin, color=jcol
endif else begin
  plots, xoff+xl+xseg*0.22, ypt, psym=jsym, symsiz=sym_size, color=jcol
endelse
```

[This code uses DATA coordinates; I've never tried NORMAL.]

It would be nice if there were a system routine for drawing legends,
though.

Subject: Re: /NORM with OPLOTT and other thoughts

Posted by [snoopy](#) on Tue, 18 Aug 1992 18:08:25 GMT

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In article <16AUG199217070886@stars.gsfc.nasa.gov> landsman@stars.gsfc.nasa.gov (Wayne Landsman (301)-286-3625) writes:

> with XYOUTS, so that I could write my annotation with a single line. I can
> do this with some of the PSYM characters (e.g. the plus sign PSYM = 1)

> IDL> xyouts, 0.5, 0.7, '(+) Model 1', /NORM

> but, for example, the diamond (PSYM=4) cannot be written with XYOUTS.

Have you tried using the symbol character set (Font 9, Math and Special) with the xyouts procedure? I think the letter V maps to a diamond symbol in this character set. The xyouts command line could then look something like:

```
IDL> xyouts, 0.5, 0.7, '(!9V!3) Model 1', /NORM
```

Where the !9 shifts output character set to Math and Special, and since V is mapped to a diamond, a diamond symbol is drawn. Subsequently, the !3 changes the output character set back to Simplex Roman font (which is the default). The output will appear as your example above, but the + symbol will instead be replaced by a diamond.

-rv
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