keyword;Trouble with OPLOT
Posted by jake on Thu, 28 Jul 2011 00:10:00 GMT
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Hi all,

I thought I successfully posted this message earlier, but apparently I was not yet a member.
However, in essence, I have been trying to plot vector arrows (using the partvelvec procedure) ontop of a previously plotted flux distribution to help visualize the direction of a gradient. One uncertainty I have is the coordinate system Partvelvec expects. One individual I have communicated with believes that the program utilizes "the data coordinate system of the positions you pass into Partvelvec." Is this correct? I have been inclined to use normalized coordinates after seeing a null plot spanning from 0 to 1 on the x and y axes. I realize that if the positions I define in my argument do not match up with the previously established positions, i.e. on the flux distribution, then that could be particularly problematic in getting the result I want. Apart from this, or perhaps because of this, my setting the overplot keyword seemed to have no effect. Just to throw in a few lines of interest from my code:

```
Partvelvec,grad_intensity_x,grad_intensity_y, xarrow, yarrow, $
color = 'white', /over, length = 0.1.
```

While this is somewhat vague I have taken care to verify that the above arguments are adequately defined.

Also, just to try my luck in plotting something ontop of the aforementioned flux distribution I have overplotted a couple asterisks upon normalizing my data, calling:

```
pointx = [0.25, 0.75] & pointy = [0.25, 0.75]
OPLOT, pointx, pointy, color = 190, linestyle=0, $
SYMSIZE=10.0, PSYM=2

PLOTS, pointx, pointy, color=190, linestyle=0, $
SYMSIZE-10.0, PSYM=2, /NORMAL
```

PLOTS seemed to work better than OPLOT as OPLOT only partially displayed an asterisk in the lower left window ontop of my color bar. Any idea(s) why?

Much appreciative,

Jake