
Subject: Help, somebody! Error Bars in both X and Y directions.

Posted by [shah](#) on Fri, 03 Dec 1993 07:24:33 GMT

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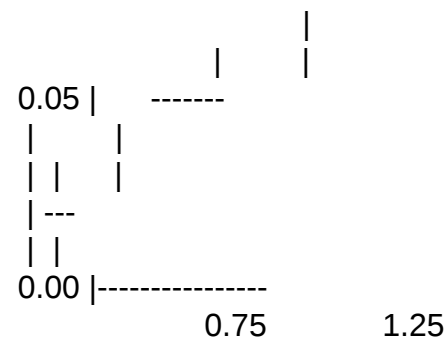
Hello there,

I have been fruitlessly trying to implement an IDL code to create errorbars in both x and y directions. However, my data on the ordinate (y axis) is at a very different range than the abscissae (x axis). For example, xrange=[0.75,1.25]; yrange=[0.01,0.05]. The following procedure, obviously wrong, is able to produce the correct x,y mapping but, alas, the errorbars do not correspond to their respective x and y scales.

Can a kind soul help me in this adventure? Oh, I would appreciate a non-widget solution. Both, pwidget of RSI and subplot of Joel Offenberg were unable to run on my Solaris machine because of some problem. And, no time to spare...

Regards

Safwan SHAH



```
pro errbar, x, y, xerrorbar, yerrorbar
```

```
xmin=min(x) & xmax=max(x)
```

```
ymin=min(y) & ymax=max(y)
```

```
xytitle=['C1', 'C2', 'C3', 'C4','C5','C6','C7','C8','C9','C10']
```

```
plot, x, y,/nodata, xrange=[xmin,xmax],yrange=[ymin,ymax]
```

```
for i=0,9 do begin ;go thru each point and create unique symbol  
;symbol is a cross
```

```
xx=[0,0,0,1,-1]*xerrbar(i) ;x-coordinates  
yy=[1,-1,0,0,0]*yerrbar(i) ;y-coordinates
```

```
usersym, xx,yy
```

```
plots, x(i),y(i),psym=8  
xyouts, x(i), y(i), xytitle(i)
```

```
endfor
```

```
ang=2*!pi*findgen(49)/49  
xarr=psize*cos(ang) & yarr=psize*sin(ang)  
usersym,xarr, yarr
```

```
oplot, x, y, psym=8,symsize=0.5
```

```
end
```

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