Subject: How do you using the IDL to add a straight line of 45 degrees inclination to scatter plot of the square?
Posted by ristight on Fri, 02 Oct 2015 07:06:41 GMT
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I want to add a line of 45 degrees inclination to scatter diagram using the IDL.
How do you rewrite this program?
Someone help me please.

```
;Program

pro sactter_plot

  x1 = fltarr(3600,1200)
  y1 = fltarr(3600,1200)
  mvk = fltarr(3600,1200)
  nrt = fltarr(3600,1200)


  fname1='C:\Users\Desktop\mvk_20150331.txt'
  fname2='C:\Users\Desktop\nrt_20150331.txt'
  openr,1,fname1
  openr,2,fname2
  readf,1,x1
  readf,2,y1


 p=plot(x1,y1,aspect_ratio=1,xrange=[0,2000],yrange=[0,2000],
linestyle='none',symbol='star',color='000000'XL,title='20150 331 precipitation',xtitle='mvk
precipitation [mm]',ytitle='nrt precipitation [mm]')
  close, /all


end
```

Subject: Re: How do you using the IDL to add a straight line of 45 degrees inclination to scatter plot of the square?
Posted by Phillip Bitzer on Fri, 02 Oct 2015 13:31:08 GMT
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> I want to add a line of 45 degrees inclination to scatter diagram using the IDL.
> How do you rewrite this program?
> Someone help me please.

As yourself this: how do you mathematically define a straight line? Then, what does "45 degrees inclination" mean for the slope of the line?

Once you have that, you just overplot this line on your plot.