
Subject: Do you want to make a scatter plot of the square should I do if there?

Posted by [ristight](#) on Wed, 30 Sep 2015 07:54:15 GMT

[View Forum Message](#) <> [Reply to Message](#)

I am making a program using the IDL.

I want to make a scatter plot of the square, but the scatter plot of the rectangle is output.

To make a scatter plot of the square, How do you rewrite this program?

Please tell me someone.

```
;Program
```

```
pro scatter1
```

```
x1 = fltarr(3600,1200)
```

```
y1 = fltarr(3600,1200)
```

```
mvk = fltarr(3600,1200)
```

```
nrt = fltarr(3600,1200)
```

```
fname1='C:\Users\yamamoto\Desktop\mvk_20140430.txt'
```

```
fname2='C:\Users\yamamoto\Desktop\nrt_20140430.txt'
```

```
openr,1,fname1
```

```
openr,2,fname2
```

```
readf,1,x1
```

```
readf,2,y1
```

```
plot,x1,y1,xrange=[0,2000],yrange=[0,2000],color='000000'XL,
```

```
background='FFFFFF'XL,psym=2,title='20140430 precipitation',xtitle='mvk precipitation  
[mm]',ytitle='nrt precipitation [mm]'
```

```
close, /all
```

```
end
```

Subject: Re: Do you want to make a scatter plot of the square should I do if there?

Posted by [Helder Marchetto](#) on Wed, 30 Sep 2015 08:03:41 GMT

[View Forum Message](#) <> [Reply to Message](#)

> I am making a program using the IDL.

> I want to make a scatter plot of the square, but the scatter plot of the rectangle is output.

> To make a scatter plot of the square, How do you rewrite this program?

> Please tell me someone.

>

> ;Program

> pro scatter1

>

> x1 = fltarr(3600,1200)

> y1 = fltarr(3600,1200)

> mvk = fltarr(3600,1200)

```

> nrt = fltarr(3600,1200)
>
> fname1='C:\Users\yamamoto\Desktop\mvk_20140430.txt'
> fname2='C:\Users\yamamoto\Desktop\nrt_20140430.txt'
> openr,1,fname1
> openr,2,fname2
> readf,1,x1
> readf,2,y1
>
> plot,x1,y1,xrange=[0,2000],yrange=[0,2000],color='000000'XL,
background='FFFFFF'XL,psym=2,title='20140430 precipitation',xtitle='mvk precipitation
[mm]',ytitle='nrt precipitation [mm]'
>
> close, /all
> end

```

I'm not sure I understand your question, but does adding the keyword /ISOTROPIC to your plot command solve your problem?

```

plot,x1,y1,xrange=[0,2000],yrange=[0,2000],color='000000'XL,
background='FFFFFF'XL,psym=2,title='20140430 precipitation',xtitle='mvk precipitation
[mm]',ytitle='nrt precipitation [mm]', /ISOTROPIC

```

Cheers,
Helder

Subject: Re: Do you want to make a scatter plot of the square should I do if there?
 Posted by [chris_torrence@NOSPAM](#) on Wed, 30 Sep 2015 14:45:30 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wednesday, September 30, 2015 at 2:03:43 AM UTC-6, Helder wrote:

```

>> I am making a program using the IDL.
>> I want to make a scatter plot of the square, but the scatter plot of the rectangle is output.
>> To make a scatter plot of the square, How do you rewrite this program?
>> Please tell me someone.
>>
>> ;Program
>> pro scatter1
>>
>> x1 = fltarr(3600,1200)
>> y1 = fltarr(3600,1200)
>> mvk = fltarr(3600,1200)
>> nrt = fltarr(3600,1200)
>>
>> fname1='C:\Users\yamamoto\Desktop\mvk_20140430.txt'
>> fname2='C:\Users\yamamoto\Desktop\nrt_20140430.txt'

```

```

>> openr,1,fname1
>> openr,2,fname2
>> readf,1,x1
>> readf,2,y1
>>
>> plot,x1,y1,xrange=[0,2000],yrange=[0,2000],color='000000'XL,
background='FFFFFF'XL,psym=2,title='20140430 precipitation',xtitle='mvk precipitation
[mm]',ytitle='nrt precipitation [mm]'
>>
>> close, /all
>> end
>
> I'm not sure I understand your question, but does adding the keyword /ISOTROPIC to your plot
command solve your problem?
>
> plot,x1,y1,xrange=[0,2000],yrange=[0,2000],color='000000'XL,
background='FFFFFF'XL,psym=2,title='20140430 precipitation',xtitle='mvk precipitation
[mm]',ytitle='nrt precipitation [mm]', /ISOTROPIC
>
> Cheers,
> Helder

```

Or, in function graphics you can use the aspect_ratio keyword:

```

x1 = 2000*findgen(100)/100
y1 = 2000*randomu(seed,100)
p = plot(x1,y1,aspect_ratio=1, $
  xrange=[0,2000],yrange=[0,2000],symbol='star',$
  title='20140430 precipitation',$
  xtitle='mvk precipitation [mm]',ytitle='nrt precipitation [mm]')

```

Cheers,
Chris

Subject: Re: Do you want to make a scatter plot of the square should I do if there?
 Posted by [ristight](#) on Fri, 02 Oct 2015 06:30:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thank you very much.
 Problem it was resolved.