
Subject: Re: Displaced errorbars on log-log scale with cgPlot
Posted by [atmospheric physics](#) on Wed, 28 Jan 2015 15:25:22 GMT
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Hello David,

Please check the below code and the resulting output:

PRO testerr

```
xdt = [5, 10, 20, 40, 80, 160, 320, 640, 1280, 2560, 5120, 10240]
```

```
ymean = [ 5.7071102e-07, 1.9411492e-07, 2.4366391e-07, 3.9646722e-07, $  
8.8304703e-07, 3.6161633e-06, 1.5931371e-05, 6.4912913e-05, $  
0.00019788680, 0.00042545785, 0.00033186864, 0.00031074151 ]
```

```
ystd = [ 4.1662774e-07, 2.7208043e-07, 4.5170846e-07, 7.2870838e-07, $  
1.2310552e-06, 3.6163696e-06, 1.4698943e-05, 6.3878156e-05, $  
0.00023048977, 0.00053752256, 0.00033514162, 0.00018645177 ]
```

```
low_yerr = (ymean - ystd)  
high_yerr = (ymean + ystd)
```

```
FigFile = 'testerrplot.ps'
```

```
cgPS_Open, FigFile  
cgDisplay
```

```
cgPlot, xdt, ymean, Font=-1, /XLOG, XStyle=1, YStyle=1, $  
XRange=[100000, 1], YRange=[0.000000001, 0.1], /YLOG, $  
CharSize=1.2, ERR_YLow=low_yerr, $  
ERR_YHigh=high_yerr, Psym=-16, $  
ERR_Color='red7', SymColor='red7', Color='red7'
```

```
cgPS_Close
```

```
; Create a PNG file  
cgPS2Raster, FigFile, /PNG
```

```
END  
-----
```

Thanks in advance,
Regards,
Madhavan
