Subject: cgErrPlot with vector color
Posted by Marios Karouzos on Thu, 20 Jun 2013 01:39:50 GMT
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Hi,

I am trying to plot a set of three data points with their respective error-bars on a scatter plot each with its own coloring. According to cgErrPlot instructions, it accepts a vector for the color that should have same number of elements as X. However, when using a vector of three colors I get an error message that the color vector does not have enough elements.

My code looks like this:

```
 cgplot,average(0,*),average(1,*),/overplot,psym=14,symsize=3
 cgplots,average(0,*),average(1,*),psym=14,symsize=3,color=[' green','orange','red']
 cgerrplot,average(0,*),average(1,*)-stderror(0,*),average(1,
*)+stderror(0,*),color=['green','orange','red']
```

where average(x,*) is a float vector of 1x3 dimensions.

I found that using a color vector of size six (e.g., ['color1','color2','color3,'color1','color2','color3']) allows the cgerrplot to run without an error but then I get a mixture of colors within each error-bar.

Any idea where this problem might be coming from?

Thanks a lot!
Marios

Subject: Re: cgErrPlot with vector color
Posted by David Fanning on Thu, 20 Jun 2013 04:38:00 GMT
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Marios Karouzos writes:

> I am trying to plot a set of three data points with their respective error-bars on a scatter plot each with its own coloring. According to cgErrPlot instructions, it accepts a vector for the color that should have same number of elements as X. However, when using a vector of three colors I get an error message that the color vector does not have enough elements.
>
> Any idea where this problem might be coming from?

A bug. Fixed now. :-)

http://www.idlcoyote.com/programs/cgerrplot.pro

Cheers,

David

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David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: cgErrPlot with vector color
Posted by Marios Karouzos on Fri, 21 Jun 2013 07:03:31 GMT
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Thanks for the quick reply. I'm sure you've heard this a million times, but your work and library have saved me a ton of time while using IDL! Keep up the good work.
