

allows you to pass on every fancy thing that PLOTS can handle without having to worry about it in the routine. Before overlaying the error bars, you must plot your data with the PLOT command (or even better: 1st: plot the axis only with PLOT,...,/NODATA

2nd: overlay the error bars

3rd: overlay the symbols)

Hope this helps,
Martin.

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IDL-homepage: <http://www-as.harvard.edu/people/staff/mgs/idl/>

```
pro oploterry,x,y,xerr,yerr,psym=psym,_EXTRA=e
```

```
  xlo = x-xerr
```

```
  xhi = x+xerr
```

```
  ylo = y-yerr
```

```
  yhi = y+yerr
```

```
  ; clipping (not done in plots !)
```

```
  xlo = xlo > !x.crange(0)
```

```
  xhi = xhi < !x.crange(1)
```

```
  ylo = ylo > !y.crange(0)
```

```
  yhi = yhi < !y.crange(1)
```

```
  for i=0,n_elements(x)-1 do begin
```

```
    plots,[xlo(i),xhi(i)],[y(i),y(i)],_EXTRA=e
```

```
    plots,[x(i),x(i)],[ylo(i),yhi(i)],_EXTRA=e
```

```
  endfor
```

```
return
```

```
end
```

Subject: Re: Horizontal error bars

Posted by [Inigo Garcia](#) on Thu, 29 Jan 1998 08:00:00 GMT

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Hi again:

First, thank you Martin for your routine. Second, while trying it I typed oploterr by accident, and it works !!! Even if it is not documented (at least I haven't seen it), it draws x-axis error bars.

I~nigo.

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Subject: Re: Horizontal error bars

Posted by [Erard](#) on Tue, 03 Feb 1998 08:00:00 GMT

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In article <34CF53FB.D019E9CA@astro.rug.nl>, I~nigo Garcia <iruiz@astro.rug.nl> wrote:

> Hi:

>

> Does anyone out there have any routine to plot error bars in the X axis

> ?

> I need to plot both errors in X and Y, and I don't see the way of doing

> it.

Yep: the most useful one is called Errbars and is part of the Meron library, that was distributed with IDL 3.6 (stil available on RSI site).

--

Stéphane Erard
Institut d'Astrophysique Spatiale
Orsay, France

Subject: Re: Horizontal error bars

Posted by [Martin Cartwright](#) on Mon, 16 Feb 1998 08:00:00 GMT

Stijn Erard wrote:

>
> In article <34CF53FB.D019E9CA@astro.rug.nl>, Iñigo Garcia
> <iruiz@astro.rug.nl> wrote:
>
>> Hi:
>>
>> Does anyone out there have any routine to plot error bars in the X axis
>> ?
>> I need to plot both errors in X and Y, and I don't see the way of doing
>> it.
>
> Yep: the most useful one is called Errbars and is part of the Meron
> library, that was distributed with IDL 3.6 (still available on RSI site).
>

There's also a very useful routine called PLOTERR that comes from the
idl astronomy library that you can find at idlastro.gsfc.nasa.gov

--

M.Cartwright@qub.ac.uk --- <http://star.pst.qub.ac.uk/~imc/vom.htm>

"Sponges grow in the ocean ... I wonder how much deeper
the ocean would be if that didn't happen."
