Subject: Re: plot & oplot
Posted by Paolo Grigis on Tue, 24 Aug 2004 08:16:48 GMT
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Christopher Lee wrote:
> In article <cge3ri$kq6$1@agate.berkeley.edu>, "Marshall Perrin"
> <mperrin+news@cymric.berkeley.edu> wrote:
>
>
>
>> IDLmastertobe <shi_lee@hotmail.com> wrote:
>>
>>> If I was to plot a 1-d function, and wanted to do an oplot on the same
>>> window, how would I hide sections of the oplot that goes underneath the
>>> plot. I eventually want to do multiple oplots and hide sections that
>>> fall underneath the previous oplot. Please help.
>>
>> Just plot your functions from 'back' to 'front'. Each oplot will
>> overplot (hence the name!) everything that came before.
>> - Marshall
>
>
> Unless you want 'underneath' in the vertical axis sense, not the z-axis
> sense.
>
> You can use polyfill, with the background color, to block out anything
> under the line you plot.
>
> e.g
> ;some data
> x=findgen(101)
> y1=x
> y2=100-x
>
> plot, x,y1 ;the first data
> ;cover up everything underneath the second line
> polyfill, [x, reverse(x)], [y2, replicate(min(y2),n_elements(x))],color=0
> ;plot the second line
> oplot, x,y2
> ;replot the axis
> plot, x, y1,/nodata,/noer
> ;
>
> Chris

For simple plots, one could even try

plot,x,y1

oplot,x,y2>y1

Paolo