Subject: Re: Overplotting 50% lines Posted by David Fanning on Mon, 14 Jun 2004 12:06:34 GMT View Forum Message <> Reply to Message

## Mark Douglas writes:

- > I have a plot consisting of a strictly decreasing set of data (a
- > distribution percent of y greater than x) and I would like to
- > overplot a 50% line onto this, that is one that comes across from 0.5
- > on the y-axis, stops when it intersects the graph, then goes down to
- > the x-axis.

- > No matter what I do I can't get it to work. I'm either missing
- > something really obvious or this is impossible. Any help please?

Seems to me the only "trick" will be finding the point of intersection. I'd probably use VALUE LOCATE to get close, the interpolate (a simple linear interpolation will work if your data is reasonably spaced) between that point and the next. A couple of PLOTS commands would draw the lines.

You can find a similar, although not exact, approach to the problem here:

http://www.dfanning.com/graphics\_tips/fillarea.html

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.dfanning.com/