Subject: Re: [Request] Plotting procedure for wind-rose
Posted by chs11 on Mon, 13 Nov 1995 08:00:00 GMT
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In article <4855um$p7d@news.ust.hk>, Chris Yau <meyauc@uxmail.ust.hk> wrote:
> I would like to make a plot that does this:
> Many vectors (or simply lines) that originate from the origin. The direction
> and length of the vector represent the direction and magnitude of that data
> point, similiar to a wind-rose used by meteorologists.

The arrow procedure should do this easily. For instance, if your data
is complex (I assume this, because how else would you have magnitude and
direction?) you might try

```
IDL> data = cindgen(50)+complex(-25.0,2.0)      ; make some data
IDL> plot, float(data), imaginary(data), /nodata  ; set up axes
IDL> arrow, replicate(0,50),replicate(0,50), $
 float(data), imaginary(data), /data  ; draw arrows
```

Depending on the kind of data you have, you may find the plot_field
procedure useful as well.

Carl

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	-- -----------	
	Access the Hobbes FTP site through the Hobbes Virtual Mirror	
	http://www.columbia.edu/~chs11/hvm.html	
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