
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\$7d@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, similar 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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```
