
Subject: colored vector plots

Posted by [anil](#) on Fri, 28 Feb 2014 15:08:04 GMT

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Dear all,

What is the most efficient way to do colored vector plots (representing colors corresponding to their magnitude). I currently use 'msvelovect.pro' to plot vectors on map projections, but i can not seem to color them.

Currently i just say msvelovect,u,v,lon,lat,colors=?!?something

I guess there is not much color option in this one, so I tried partvelvec.pro, but i could not succeed there either. I defined my lon, lat,u and v are the same size = (76,51). I tried to scale_vector and cgscalevector as:

```
colors=cgscalevector((indgen(n_elements(u(0:75,0:50))))),0,25 5)
```

and then partvelvec,u,v,lat,lon,veccolors=colors, but it gives errors such as:

```
CGDEFAULTCOLOR: Cannot determine a color from a value of 0.131613 of data
```

```
% CGDEFAULTCOLOR: Cannot determine a color from a value of 0.197419 of data
```

Could anyone please suggest a solution?

Thanks in advance,

Anil
