
Subject: Re: plotting vectors in 3D

Posted by [John-David T. Smith](#) on Mon, 06 Nov 2000 08:00:00 GMT

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M Carmen Gonzalez wrote:

>
> Dear all,
>
> I am new in IDL programming and I'm still a bit lost, so may be some of you
> can help me...
>
> I am trying to plot the measured wind speed (2 components) by a balloon in
> vertical ascension. At each point of the trajectory i want to plot a vector
> indicating the wind direction at that point.
>
> Does someone know how could I do it?
>
> Thanks a lot,
>
> Mï¿½ Carmen

You might look at

<http://www.astro.washington.edu/deutsch-bin/getpro/library09.html?VECFLD>
for inspiration. I always search for routines there first before
setting out into the darkest days of snow-blinded wandering through the
dense forest of IDL graphics. I also found
<http://www.colorado.edu/ITS/docs/scientific/idl/idlvf.html>, with a bonus
Runge-Kutta integrator built in. Oh my. Not very advanced though.

In any case, if you take David's advice and spend the better part of the
next year coding up a generic OG 3-D vector field plotter, look at
<http://www.math.armstrong.edu/mmacalc/gallery/vecfld.gif> for
motivation. I especially like the 3-D arrow tips.

JD

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