
Subject: Plotting vectors

Posted by [maki](#) on Thu, 05 Oct 2006 09:36:16 GMT

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Hi all,

I have a set of geographic locations at which I would like to plot velocity vectors. I looked at previous messages on that topic but did not find an easy way to do it. VELOVECT seems to plot a 2D-velocity field but my data are not gridded (nor randomly distributed). I also looked at the ARROW procedure but it looks not easy, as we need to specify the coordinates of the tail and arrowhead of each vector (I have the X_i, Y_i coordinates of each arrow tail, and the corresponding U_i and V_i components, in a different unit than the map).

Thanks for your help !

Subject: Re: Plotting vectors

Posted by [Michael Galloy](#) on Fri, 06 Oct 2006 03:14:07 GMT

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maki wrote:

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- > velocity vectors. I looked at previous messages on that topic but did
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- > field but my data are not gridded (nor randomly distributed). I also
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- > specify the coordinates of the tail and arrowhead of each vector (I have
- > the X_i, Y_i coordinates of each arrow tail, and the corresponding U_i and
- > V_i components, in a different unit than the map).
- > Thanks for your help !
- >

If you're up for trying the iTools, check out iVector:

http://idlastro.gsfc.nasa.gov/idl_html_help/IVECTOR.html

In particular, Example 1 which combines iMap and iVector:

http://idlastro.gsfc.nasa.gov/idl_html_help/IVECTOR.html#wp1_029045

Mike

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