
Subject: Re: streamlines over contour without iVector
Posted by [Michael Galloy](#) on Wed, 03 Dec 2008 21:10:52 GMT
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On Dec 3, 3:07 am, "EMV" <pilou...@msn.com> wrote:

> I would like to overplot streamlines of (u_vel,v_vel) on a contour of
> another variable without using the iVector,u_vel,v_vel,/streamlines.
> Is there a way to do this ?

The builtin IDL library doesn't do much with vector fields. VEL is the closest for what you need, but doesn't overplot. I have a routine VIS_VEL that can do this:

http://michaelgalloy.com/wp-content/uploads/2008/11/vis_vel.pro

For instance:

```
IDL> restore, filepath('globalwinds.dat', subdir=['examples','data'])
IDL> contour, u, x, y, xstyle=1,
ystyle=1
IDL> device, decomposed=0
IDL> vis_vel, u, v, x, y, /overplot,
nvecs=500
IDL> contour, u, x, y, xstyle=1,
ystyle=1
IDL> loadct, 3, /silent
IDL> vis_vel, u, v, x, y, /overplot, nvecs=500
```

This should produce:

http://michaelgalloy.com/wp-content/uploads/2008/11/vis_vel.png

You will need VIS_RGB2INDEX to use VIS_VEL:

http://michaelgalloy.com/wp-content/uploads/2008/11/vis_rgb2index.pro

Mike

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