
Subject: Re: how to draw streamline

Posted by [Kenneth P. Bowman](#) on Fri, 07 Mar 2008 13:55:41 GMT

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In article

<92bef8cb-bd54-48b7-b54c-2ff9f4f75bf7@s8g2000prg.googlegroups.com>,
wenfang_zhao@hotmail.com wrote:

> Hi,all
> I want to draw the wind streamline map,and I try many methods
> described in the forum, but some are wind vectors not the streamline,
> which is the serial contour line with arrow on the contour plot.
>
> some one ever mentioned that there was a script sample on the web site
> <http://www.metvis.com.au/idl/>
> but i can't get access to it.
>
> so if there anybody who can load that web site and give a copy of both
> the script and the streamline image for me?
>
> I will appreciate your help!
>
> wenfang

Here is a sample code to plot 2-D streamlines using VEL.

By default VEL chooses the initial points randomly, but the
source code is available if you want to change that.

Ken Bowman

PRO STREAMLINE_DEMO

```
n = 50
x = FINDGEN(n)/(n-1)
y = FINDGEN(n)/(n-1)

xx = REBIN(x, n, n)
yy = REBIN(REFORM(y, 1, n), n, n)

u = -SIN(!PI*xx)*COS(!PI*yy)
v = COS(!PI*xx)*SIN(!PI*yy)
```

```
VEL, u, v, NVECS = 100, NSTEPS = 100, length = 0.5
```

```
END
```
