
Subject: Re: plot tangential vector
Posted by [nakisa](#) on Sat, 19 Jan 2008 05:58:25 GMT
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hi Jerome

thanks but it isn't what I need. i want at each position (x,y) it
suppose a circle and plot a tangential vector with given magnitude !!!
nakisa

On Jan 16, 4:44 pm, JMB <jmb.lo...@gmail.com> wrote:

```
> Does this short example help you?  
>  
> N = 200  
> X = FINDGEN(N)  
> Y = 10*SIN(x/16)-10*COS(x/8+2)  
> A = abs(16*SIN(x[1:N-2]/4.))  
>  
> PLOT, X, Y  
>  
> vx=X[2:N-1]-X[1:N-2]  
> vy=(Y[2:N-1]-Y[0:N-3])/2.  
>  
> Norm=A/sqrt(vx^2+vy^2)  
>  
> ARROW,X[1:N-2],Y[1:N-2],X[1:N-2]+Norm*vx,Y[1:N-2]+Norm*vy,/  
> DATA,color=220  
> PLOT, X, Y, /noerase  
>  
> END  
>  
> Regards,  
>  
> Jérôme
```
