Subject: Re: Displaying 3-D vector fields
Posted by Rick Towler on Wed, 13 Nov 2002 17:20:47 GMT
View Forum Message <> Reply to Message

"Jim" <jim.blackwell@gsfc.nasa.gov> wrote
>
> forgive me for being such a doofus, but shouldn't the mag and loc
> arrays be 3-D ?

You tell me... Well I guess you just did. The 3rd dimension is time, I presume. That doesn't change anything except how you subscript your data.

Say you have 100 samples from 100 data points. Your array will be in a form similar to [point,sample,values] or [100,100,3] where the last dimension is your x,y,z or u,v,w depending on if we're talking about your location array or magnitude array. Is that correct?

In my example, I assumed 1 sample from 100 points [100,1,3] which I simplified to [100,3]. You can change the subscripts in the example to work with your data set. [n,*] would become something like [n,0,*] for your first sample, [n,1,*] for your second and so on.

> Would it be as simple as just adding this code to the
> existing code set for creating the vector object ?

I don't understand what you are asking. But if you are asking if you should add this code to the vector object. No. Stick with my example.

-Rick