Subject: Re: plotting vectors in 3D
Posted by Martin Schultz on Mon, 06 Nov 2000 08:00:00 GMT
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David Fanning wrote:
>
> M Carmen Gonzalez (mcgonzal@uv.es) writes:
>
>> am new in IDL programming and I'm still a bit lost, so may be some of you
>> can help me...
>>
>> I am trying to plot the measured wind speed (2 components) by a balloon in
>> vertical ascension. At each point of the trajectory i want to plot a vector
>> indicating the wind direction at that point.
>>
>> Does someone know how could I do it?
>
> Oh, oh. I think there are probably a number of us
> would know *how* to do this. The problem comes about
> in trying to convey that information to a novice
> IDL programmer in 10,000 words or less. :-)
>
Oh, come on, David, Haloween is over and you don't have to scare
people any longer ;-) As far as I can see, you can already get a
decent visualization of that data with a 2-D plot - either longitude
vs. latitude, neglecting the altitude, or e.g. altitude vs. time
neglecting lon and lat (or conveying this information in the form of
an additional x axis). Then, the problem is really as simple as using
the arrow procedure and figuring out how to position and scale the
arrows correctly.

Cheers,
Martin

PS: But if you really want to have everything in 3D and illuminated
from within, it might be easier to fly this balloon again, attach some
nice colored stripes to it and take pictures ;-)

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