
Subject: Re: how to define theta and phi of a sphere in IDL
Posted by [David Fanning](#) on Sun, 15 Nov 2009 05:18:22 GMT
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nisha katyal writes:

> I have to draw spheres using idl . I want to define x,y,z in terms of
> r,theta and phi. Do i have to define theta and phi both as following:
>
> IDL> phi=2*!pi*(findgen(npoints)/(npoints-1))

You can use CV_COORD to convert back and forth from polar, spherical, and rectangular coordinates. You don't have to do it yourself.

> And also if i want to plot,should i plot x,z or y,z or x,y?

Generally, if you are plotting on a rectangular coordinate system, you will need rectangular coordinates. But you can do this conversion just before plotting.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
