Subject: Re: how to define theta and phi of a sphere in IDL
Posted by nisha katyal on Sun, 15 Nov 2009 05:33:28 GMT
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On Nov 15, 10:18 am, David Fanning <n...@dfanning.com> wrote:
> 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
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

No, actually i do not want to define it that way. I want to define
x,y,z cordinates in terms of r,theta,phi. i.e
x=r*sin(theta)cos(phi)
y=r*cos(theta)sin(phi)
z=r*cos(theta)

I don not kno the difference in defining theta and phi....