Subject: Re: surface plotting
Posted by Muks Raju on Tue, 13 Jan 2004 20:41:04 GMT
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Hello
Yes you are right. I would like to picture the sphere as the earth
and then project the colors which rep the diff densities on that earth. I
guess I understand the concept but my data is in such a wierd form.
I have a vector X = [X1,X2,X3.....X4880] and Y = [y1,y2,..y4880] and
Z=[Z1,z2..z4880] and data=[d1,d2...d4880].. with the data in this format
how do i do the said transformation? Any help would be much appreciated.

Muks

On
Tue, 13 Jan 2004, Norbert Hahn wrote:

> "Muks Raju" <muks@ieee.org> wrote:
>
>> Hello
>> Im stuck with a problem.. i have 3 vectors containing 5000 values
>> of X,Y and Z coordinates of points on a sphere.
>
> What kind of projection do you think of? You may select one of the
> map projections or picture the sphere as a ball using a light source.
>
>> Now I also have data which
>> signifies the density at each of those points. How do i plot this data on
>> a sphere with different colors for diff densities and interpolate the
>> values to get a smooth color distribution.
>
> You may think of your sphere as of the earth without continents and
> oceans and project the colors that represent the diff densities on
> that "earth". Is that a way you may want to go?
>
> Map projections are standard transformations in IDL, so nothing to
> worry about.
>
> Norbert
>
>

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Que Sera! Sera!..What will be, will be!
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Mukunda P Raju

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