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Subject: Re: surface plotting

Posted by [Norbert Hahn](#) on Tue, 13 Jan 2004 15:47:23 GMT

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"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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