Subject: Re: 3D density plot?
Posted by David Fanning on Mon, 13 May 2002 16:43:37 GMT
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Bernard K. (bknaepen@'skip_this'mac.'and_this'com) writes:

> I have a 3D scalar field, say r(x,y,z), and I would like to produce a 3D
> plot which represents the locations (x,y,z) where r is greater than
> a given value.

I had a similar requirement not too long ago. I hacked up
my FSC_Surface program (this seems to be the starting point
for a LOT of my subsequent programs!) to produce a sort of
3D pin plot, where the color and length of the pin represented
the distance of a galaxy. It could be rotated in 3D space, etc.,
and was quite useful for visualizing this data.

You can find a picture of the result here:

http://www.dfanning.com/misc/pin_3d.jpg

The FSC_Surface program is here:

http://www.dfanning.com/programs/fsc_surface.pro

Cheers,

David
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