Subject: Re: Contour plot over 3D surface
Posted by davidf on Mon, 23 Aug 1999 07:00:00 GMT
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Dan Fletcher (djfletcher@ucdavis.edu) writes:

> I'm working on a program to map electrical potentials over the surface
> of the head. I have data at discrete points (electrode locations) and
> the 3D coordinates of those locations. I'd like to interpolate those
> potentials over the 3D surface formed by those points and generate a
> contour plot of the potentials in 3D space using IDL. In looking through
> the IDL docs, I don't see a quick and easy way to do this. I know that I
> can generate triangles and then apply a color to each vertex, but I
> can't find any way to get an actual contour plot.
>
> So, I'm about to set about writing my own code, but I thought I'd check
> and see if anyone out there has code or knows of code to do this. Any
> help would be greatly appreciated.

Oh, you don't want to write this yourself. I have a contour
object that was written *specifically* for the application you
have in mind. You can even display the contour plot in
a "head view" with the ears and nose quite prominent. :-)

Best of all, the program was written for users who didn't
know anything at all about IDL. All of the contour plot
properties are accessible via a graphical user interface.

I put about 60 hours of programming time into this. Hard
to say how much time it will take you to write your own. :-(

Give me a call if you are interested. We could have you
up and running today. :-)

Cheers,

David

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