
Subject: Contour plot over 3D surface

Posted by [Dan Fletcher](#) on Mon, 23 Aug 1999 07:00:00 GMT

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Hello:

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.

Thanks,
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