
Subject: Re: Generate 3D Surface out of Points in Space
Posted by [David Fanning](#) on Tue, 22 Jun 2004 23:19:38 GMT
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Tukee10 writes:

> Hi everybody. I have 50 sliced images, that represent a splitting blood
> vessel. I went through the slices and extracted the contours of the blood
> vessel with the function CONTOURS. Now I have many points that lie on the
> surface of the vessel. I would like to reconstruct the 3d surface of the
> vessel out of these points. Is there any function or procedure that is
> able to do that?

You can see a general approach to this problem in this
article:

http://www.dfanning.com/graphics_tips/mesh.html

As someone else discovered earlier this week, this method
works well if your data is "well behaved". You are completely
on your own if your data is not so well behaved. That is
to say, blood vessels make me nervous. :-(

Cheers,

David

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