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Subject: CT Lung Visualisation

Posted by [Fraser Hatfield](#) on Tue, 21 Apr 1998 07:00:00 GMT

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I was wondering if someone advise me on the following.

I am trying to create a 3-D visualisation of the lungs from CT data within IDL. To do this I use the `Shade_volume` and `polyshade` commands.

The problem I have is that the voxels are anisotropic, and so the visualisation looks squashed on storing the slices in an array of size (512,512,26)

The dimensions are as follows.

x=512,y=512,z=26, xres = 0.5mm, yres=0.5mm, zres=10mm.

(NB the ct slices are contiguous)

Could someone suggest the best way to manipulate the data so that the visualisation has the correct proportions in all directions

Cheers

Fraser

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