
Subject: Re: CT LUNG VISUALISATION

Posted by [Martin Schultz](#) on Mon, 27 Apr 1998 07:00:00 GMT

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Fraser Hatfield wrote:

>
> 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
>

Although I have never seen my loungs in IDL, you may want to try congrid
in order to interpolate your data in the z dimension:

```
newdata = congrid(data,512,512,520,/interpolate)
```

Hope this helps,
Martin.

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