Subject: Re: Stretching of image
Posted by David Burridge on Wed, 15 Jan 2003 16:59:41 GMT
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Hi,

Am I getting deja-vu here or what? Wasn't there something *very* similar to this posted recently? Anyhow...

"New2IDL" <biomedthesis2002@yahoo.com> wrote in message news:162586e3.0301150823.4d98ab7@posting.google.com...
> Hi.
> i'm trying to generate 3D volume. I use the functions SHADE_VOLUME,
> POLYSHADE etc to display 3D image. I tried the trackball object to
> rotate the 3D object. When i used a cube, sphere or any 3D given
> example from IDL and use trackball on that image, the object rotates
> perfectly. When i try to use my 3D object that was created after
> processing of the data, the image stretches everytime i rotate it in
> different directions. the image i'm using is a 512x512x21. it
> stretches along the z-axis and i have no idea why it streches. Can
> anybody help me with this. Please...
>
> The code i wrote is like this:
>
> #### MAIN CODE ####
> restore, filename = 'headimage1'
> image = bytscl(C1)
> images = image[*,*,*]
> images = images GE 30
> imsize = size(images)
>
> images = congrid(bytscl(images),512,512,512)

I think this is as far as we need to go. If you Congrid the data like this, you've created 512 samples in the Z direction where there used to be 21. This is why it stetches. You can either modify the offending Congrid, or modify the ZCOORD_CONV later on to compress the 256 back into the space taken up by the 21. I would probably attempt the former, as the size of the data is less.

Hope this helps,

Dave

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