
Subject: Re: fixing DICOM read issues

Posted by [dorth](#) on Sat, 12 Dec 2009 19:03:25 GMT

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On Dec 11, 6:21 am, David Fanning <n...@dfanning.com> wrote:

> Dorth Wildenschild writes:

>> I am trying to read a stack of DICOM images (.ima format) with IDL and
>> can read in the values just fine (-1054 to 3000), but the voxel
>> scaling is wrong, so my cylindrical object becomes oval. I tried
>> saving the volume from another program and that works well for meshing
>> the slices together and getting the correct data range, but I loose
>> the voxel scaling, so that once I read that simple binary data file
>> into IDL it is stretched incorrectly.
>> My array is 512,512,478, and the scaling in the DICOM file is
>> 0.43,0.43,0.5 in the three dimensions. How do I fix this in IDL so the
>> image has the right shape. Rebin only works for integers of the
>> original size...

>
> This seems more like an image *display* problem to me,
> but if you want to change the size of the data array,
> use CONGRID.

>
> Cheers,

>
> David

>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thanks, Dave! this is a typical case of Occam's Razor. It is so simple, and I was trying to make it complicated. You're right, it's a display issue, but since I need to crop out a circular cylinder, I needed it to be nice and round. I just congrid'ed it and all my problems are solved. Well, at least those related to image processing for now :-)

Cheers,
Dorth
