
Subject: Re: problem with xroi

Posted by [Robert Barnett](#) on Thu, 07 Apr 2005 00:12:31 GMT

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What kind of medical images are they? Can't you use the DICOM format?

```
dicom_obj = obj_new('IDLffDICOM')
result = dicom_obj -> read('dicomfile.dcm')
dicom_obj -> dumpelements, 'dicomfile.dump'
```

Look at dicomfile.dump to find pixel data. In my instance I have several static images

```
138 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
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142 : (7FE0,0010) : OW : PXL Pixel Data : 32768 : 0 0 0 0 0 0 0 0 0 0 0 0 ...
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```

```
images = dicom_obj -> getValue('7FE0'x,'0010'x)
```

```
; Images should be a pointer array to the data with the matching dicom element "(7FE0,0010)"
; IDL works out the image dimensions for you so you don't need to reform the data
```

```
tv, *images[0]
```

```
xroi, *images[0]
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As to your second problem. You might need to scale the image to byte so it looks like it would if you did tvscl.

```
tv, tvscl, *images[0]
```

```
xroi, fix((float(*images[0]))*255/max(*images[0]))
```

On 6 Apr 2005 08:57:49 -0700

"Pravs" <praveshsubramanian@yahoo.com> wrote:

```
>
> Hello:
>
```

> 2 problems:
>
> 1. I have medical images in GE Format. As IDL cannot open it, I tried
> to act smart and converted them to JPG. The trade-off being that I have
> grayscale images.
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> I was wondering if we have an image reader for the GE Format otherwise
> how can I work around this problem?
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> 2. xroi seems to be open

--

nrb@ Robbie Barnett
imag Research Assistant
wsahs Nuclear Medicine & Ultrasound
nsw Westmead Hospital
gov Sydney Australia
au +61 2 9845 7223

Subject: Re: problem with xroi
Posted by [Pravesh](#) on Thu, 07 Apr 2005 15:19:08 GMT
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Hi Robert:

Thanks for the reply. The images are not in the DCM format. In Fact, if they were then IDL would not have returned a 0 for the image format. They are in MR GE format. file names are of the format I72275~1.24

I cannot open the image from XROI. Now, I have saved this image as grayscale JPG. It works fine then. But as a PNG, the dimensions returned are

3 512 512

The header size is 7920 bytes.

The dicomfile.dump is empty.

Please let me know..

Regds,
Pravs

Robert Barnett wrote:

> What kind of medical images are they? Can't you use the DICOM format?

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> imag Research Assistant
> wsahs Nuclear Medicine & Ultrasound
> nsw Westmead Hospital
> gov Sydney Australia
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Subject: Re: problem with xroi
Posted by [Pravesh](#) on Thu, 07 Apr 2005 16:06:27 GMT
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The images are in the GE Genesis Signa Format

Subject: Re: problem with xroi
Posted by [Robert Barnett](#) on Sat, 09 Apr 2005 23:37:33 GMT

I'm sorry, but I don't think anyone other than GE can help you with this problem.

On 7 Apr 2005 09:06:27 -0700

"Pravs" <praveshsubramanian@yahoo.com> wrote:

> The images are in the GE Genesis Signa Format
>

--

nrb@ Robbie Barnett
imag Research Assistant
wsahs Nuclear Medicine & Ultrasound
nsw Westmead Hospital
gov Sydney Australia
au +61 2 9845 7223

Subject: Re: problem with xroi

Posted by [Robert Barnett](#) on Sun, 10 Apr 2005 00:05:07 GMT

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Are you are attempting to segment MRI slices? I haven't really done much segmentation, however I there is an excellent textbook recently published. "2-D and 3-D image registration for medical, remote sensing, and industrial applications", Author A. Goshtasby. This has some chapters on how to do edge detection and other things like that.

On 7 Apr 2005 08:19:08 -0700

"Pravs" <praveshsubramanian@yahoo.com> wrote:

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nrb@ Robbie Barnett
imag Research Assistant
wsahs Nuclear Medicine & Ultrasound
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au +61 2 9845 7223

Subject: Re: problem with xroi
Posted by [mmiller3](#) on Mon, 11 Apr 2005 18:27:30 GMT
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>>>> > "Pravs" == Pravs <praveshsubramanian@yahoo.com> writes:

> The images are in the GE Genesis Signa Format

Dicom3tools includes a gentodc program that may allow you to
convert your genesis data to dicom readable by IDL.

<http://www.dclunie.com/dicom3tools.html>

Mike
