
Subject: Re: About IDLffDICOM

Posted by [Anne Martel](#) on Mon, 04 Feb 2008 14:17:28 GMT

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On Feb 1, 7:21 pm, Rendi <rds...@gmail.com> wrote:

> Dear all,

>

> I don't know if I am stupid or something does go wrong.

> I couldn't figure out how to get it works.

> Please give me some advices or comments.

>

> I tried to use IDLffDICOM to read the images from a dicom file.

> The image data uses 4 bytes for one pixel.

> The IDLffDICOM object only returns me the UINT array (correct
> dimension), but the data type is not correct (I want LONG). Is there
> any way to do it with IDLffDICOM object? Or I do need to use
> IDLffDICOMEX?

>

> Thank you very much,

> Rendi

I was under the impression that the DICOM standard only stores data as 16 bit (used to be 12 bit) unsigned ints. If you need to store negative values then I guess you need to add an offset value first. Similarly if you want to save floating point values then you need to devise a scheme to scale values into a 16bit unsigned range first. Then you need to figure out how to ensure that the correct conversion is carried out when you read the images back in - there are probably some handy tags for this in DICOM somewhere,

Anne

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