
Subject: Re: file i/o help

Posted by [David Fanning](#) on Thu, 18 Apr 2002 18:03:22 GMT

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vijay (yeluri@eng.fiu.edu) writes:

> i have like a 100 dicom files. I want to generate a single volume file
> consisting of the 100 dicom files. I mean, a single file which would
> contain the 100 individual dicom files next to each other pixel by
> pixel.

Let's assume your DICOM images are 600 by 400 integer arrays,
and that your files are named something sensible like image001.dcm,
image002.dcm, ..., image100.dcm. (Big assumption, but I
don't have much time.)

Then you would write a program something like this:

```
FUNCTION FillVolume
```

```
    volume = IntArr(600, 400, 100)
    FOR j=0,99 DO BEGIN
        filename = 'image' + String(j, Format='(I3.3)') + '.dcm'
        volume[0,0,j] = Read_Dicom(filename)
    ENDFOR
    RETURN, volume
END
```

Cheers,

David

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