
Subject: Re: Reading Multiple DICOM Files
Posted by [rtk](#) on Mon, 09 Mar 2009 18:07:55 GMT
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On Mar 8, 6:17 pm, Jye <jye.sm...@gmail.com> wrote:

```
> if i eq 0 then All_Images = image_slice else All_Images =  
> [[[All_Images]], [image_slice]]
```

Forget too much Java, which, I agree, is a bad thing. I'd say you have been doing too much Matlab programming. The vast majority of your problem lies with the line above. If I run this code on my box:

```
pro ttt0  
  s = systime(1)  
  for i=0,899 do begin  
    im = fix(dist(256))  
    if (i eq 0) then begin  
      all = im  
    endif else begin  
      all = [[[all]], [[im]]]  
    endelse  
  endfor  
  print, 'runtime = ', systime(1)-s  
  help, all  
end
```

It takes 93 seconds. However, if I run this code:

```
pro ttt2  
  all = intarr(256,256,900)  
  s = systime(1)  
  for i=0,899 do begin  
    im = fix(dist(256))  
    all[*,*,i] = im  
  endfor  
  print, 'runtime = ', systime(1)-s  
  help, all  
end
```

it takes 1.6 seconds. The only difference is that the output array is allocated once, instead of 900 times with 899 ever-increasing array copies to boot. Since you know the number of file in advance, allocate All_Images and just assign into it.

Ron
