
Subject: Can i avoid the loop,help me speed up,thanks
Posted by [Rongchang Chen](#) on Mon, 04 Aug 2008 13:29:03 GMT
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I wrote a procedure to create sinograms from projections in tomography, the main part of procedure please see below.
For large size and number projections, it's very very slow.
Can i avoid the loop (one is OK) to speed up, or another way to create sinograms?
Thank you very much!!

n_sinogra: number of sinogram
n_projection: number of projection
files_projection: a string vector contain Directory and name of projection
files_sino: a string vector contain Directory and name of sinogram

```
for jj = 0, n_sinogram-1 do begin
  print, 'now creating', jj+1, 'th sinogram'
  sino = fltarr(sizepro[0], n_projection)

  for ii=0, n_projection-1 do begin
    image = float(read_image(files_projection[ii]))
    some processing of image
    sino(*, ii) = image(*, jj)
  endfor

  write_tiff, files_sino(jj), sino, /short, /float
endfor
*****
```