
Subject: Mapping image into a polar-square coordinate
Posted by [Camilo Mejia](#) on Wed, 09 Jul 2008 05:36:47 GMT
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Hi programmers,

I have an image and I want to map an annulus of it (matrix 981X 981) onto a rectangular axes whose columns are the angle, and the rows are the radius to the central pixel. I tried:

```
;data has the image
xx1 = findgen(4096,10)*0.
for i=0,1023 do begin
  roll=i*360./4096.
  SB=rot(data,-roll,1,490.5,490.5,cubic=-0.5,missing=-1,/pivot )
  xx1[i,*]=SB[50:59,490]
  for j=0,9 do xx1[i+2048,j]=SB[930-j,490]
  xx1[i+3072,*]=SB[490,50:59]
  for j=0,9 do xx1[i+1024,j]=SB[490,930-j]
endfor
```

But it takes too long to run, i need something faster. Any advise?
Thanks
