
Subject: Re: Mapping image into a polar-square coordinate

Posted by [pgrigis](#) on Wed, 09 Jul 2008 14:47:05 GMT

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seems like my previous post got lost...

anyway I am suggesting to use interpolation (i.e. BILINEAR)

to convert from cartesian to polar coordinates.

That should be pretty fast.

Ciao,

Paolo

cmejiapr...@gmail.com wrote:

> 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
