
Subject: Re: gray-level co-occurrence matrix (GLCM)
Posted by [lecacheux.alain](#) on Sun, 23 Nov 2014 18:53:03 GMT
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Le mardi 1 juin 2010 15:33:50 UTC+2, j.co...@gmail.com a écrit :
> Is there an efficient and versatile gray-level co-occurrence matrix
> (GLCM) routine in IDL, or in someone's library? Found routines called
> "graycomatrix" and "graycoprops" for MATLAB. Anything like that for
> IDL?

For computing GLCM of an image IMG (2D-array of bytes), I would simply do:

```
n = N_elements(img)
;left shift the image array
img_shifted = shift(img,1,0)
;vectorize both arrays
img = reform(img,n)
img_shifted = reform(img_shifted,n)
;compute GLCM
glcm = hist_2D(img,img_shifted,MIN1=0,MIN2=0)
```

alx.
