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Subject: Search and Replace in 2D Array (Image)

Posted by [vikramivatury](#) on Thu, 28 May 2009 19:24:43 GMT

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Hello,

I have an image "m" which is [1229 x 1229] pixels that contains 1's and 0's. I also have an image "img" which is [1229 x 1229] that contains pixel IDs. For every 1 in image "m" it corresponds to a certain pixel ID in image "img". I am trying to write a loop in IDL that scans through the pixels of image "m" and when its get to a 1, spit out its information from "img". I used the 'where' function (w = where m gt 1.....ids = img(w)) and that worked fine in outputting a 1D array of 1510441 pixels, but I am trying to do it for a 2D array using loops.

```
img = read_tiff('NP.tif')
ids = fltarr(1229,1229)
```

```
for i = 0,1228 do begin
  for j = 0,1228 do begin
    if (m(i,j) eq 1.) then begin
      ids(i,j) = img(m(i,j))
    endif
  endfor
endfor
```

Any suggestions would be great.

Thanks,  
Vikram

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