
Subject: Need help to optimize for speed

Posted by [Hamid Kohen](#) on Tue, 16 May 2000 07:00:00 GMT

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Hi,

I have this for loop that searches for a particular pattern (roi).

This search takes for ever.

Does anyone knows how to optimize this code for speed.

Any suggestions ?

Thanks.

Hamid

```
size1 = size(bscl) ;;; is 1000 x 1000
size2 = size(roi) ;;; is about 50 x 50
```

```
print, 'Size of bscl is ', size1
print, 'Size of roi is ', size2
```

```
a = reform(bscl,size1(4))
b = reform(roi,size2(4))
nmatch = 0

print, 'searching'
for column = 0, size1(1) -1 do begin
  for row = 0, size1(2) -1 do begin ; num
    print,'row and col', row, col
    sample = reform(extrac(bscl,column,row,size2(1),size2(2)),size2(4))
    IF (array_match(sample,b)) THEN begin
      nmatch = nmatch +1 ;;; length has to match
      print, '-----'
      print,'We have a match at row of', row, ' and colof', column
      print, 'The centriod is at ', row + size2(1)/2 , column +
size2(2)/2
      print, extrac(bscl,column,row,size2(1),size2(2))
      print, '-----'
      print, b
    end
  end
end
end
print, 'Number of matches', nmatch
print, ' success '
```
