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Subject: write more efficient for loop

Posted by [g.nacarts](#) on Fri, 07 Aug 2015 13:25:06 GMT

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Hi

I used the Profiler, /SYSTEM & Profiler to identify which part of the code takes long time. I am using nested for loop (takes about 1950 sec).

N = 215L

Image\_2 = make\_array(N,N,/double)

```
for i=0L, N-1 do begin
  for j=0L, N-1 do begin
    x = round(i + A[i, j])
    y = round(j + B[i, j])
    if (x ge 0) && (y ge 0) then begin
      Image_2[i,j] = Image_1[x, y]
    endif
  endfor
endfor
```

I was wondering if there is a more efficient way to write the above. I don't have a lot of experience in programming.

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