
Subject: do I need this IF statement?

Posted by [Margrethe](#) on Thu, 24 Mar 2005 10:07:01 GMT

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I find that in some cases I really need an IF statement to make sure that I don't address some arrays with index -1. In the example below I have vectorized the inner loop over j, but have kept the loop over i. Is there a way to avoid the IF statement? Grateful for help! -Margrethe

```
FOR i=0,N-1 DO BEGIN
```

```
  d = sqrt ( x(i) ^2 + y (INDGEN(N)) ^2 )  
  indx = WHERE ( d LT 3.*sigma, ct )
```

```
  IF (ct GT 0) THEN BEGIN
```

```
    v = v1 + vr (i,indx)  
    p = some_function ( x(i), y(indx) )  
    profile = profile + TOTAL ( p * image(i,indx) )
```

```
  ENDIF
```

```
ENDFOR
```
