Subject: Re: do I need this IF statement?
Posted by David Fanning on Thu, 24 Mar 2005 12:48:53 GMT

Margrethe writes:

> 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

JD has me totally intimidated about making sweeping generalizations,
but I'm going to state emphatically that you NEED the IF statement.
We'll see if that turns out to be true. :-)

Cheers,

David

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