Subject: Search single column of array - removing nasty loop
Posted by rjp23 on Tue, 29 Nov 2011 09:11:51 GMT

I was hoping that there was a nice way to do the following. I have a
4D array and I want to check if the 4th dimension contains a 0 in any
of it's values for each value of the other 3 dimensions, if it does I
want that whole column set to 0.

This is how I'm doing it with a loop:

```
FOR i=0, 1 DO BEGIN
FOR k = 0, 359 DO BEGIN
FOR j = 0, 5 DO BEGIN
test = where(array[i,j,k,*] eq 0)
IF max(test) gt -1 THEN array[i,j,k,*] = 0
ENDFOR
ENDFOR
ENDFOR
```

which is obviously horrible and slow.

Any help/advice would be great.

Thanks

Rob