
Subject: Counting the number of irregular value in regular grid

Posted by [Nick\[1\]](#) on Sat, 26 May 2007 06:04:07 GMT

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I was trying to count the number of irregular data in regular grid.

I made code but it's too slow to calculate my lots of data.

Could you give me some advice to make this code more faster?

Thank you, Jungbin

```
;1 X 1 Grid
```

```
glon = -179.5 + findgen(360)
```

```
glat = 89.5 - findgen(180)
```

```
    for j = 0, 359 do begin
```

```
        if [ (lon(x)-0.5 ge glon(j)) and (lon(x)+0.5 lt glon(j)) ]
```

```
    then begin
```

```
        for k = 0, 179 do begin
```

```
            if [ (lat(x)+0.5 le glat(k)) and (lat(x)-0.5 gt
```

```
glat(k)) ] then begin
```

```
                if ( finite( value(j,k) ) eq 1 ) then nn(j,k) = nn(j,k)
```

```
            + 1
```

```
            endif
```

```
        endfor ;k
```

```
    endif
```
