Subject: Re: INTERPOLATE function - Question
Posted by dmfl0590 on Thu, 10 Mar 2016 19:44:16 GMT
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Hi

Thank you for pointing out this. I changed the code but I still have something that I don't understand.

When Small[0,0]=0.1
I got 34x34=1156 nonzero pixels i.e. small_int[0:33,0:33] nonzero

When I changed the Small[1,0]=0.1 I didn't got 1156 nonzero pixels as I was expecting (i.e. small_int[34:67,34:67] nonzero). Please see the code below:

```
Big = randomu(2,136,136)
nint = size(Big, /dimensions)

Small = fltarr(4,4)
Small[1,0]=0.1

n = size(Small, /dimensions)
n = n[0:*]

X = n[0]*findgen(nint[0])/nint[0]
Y = n[0]*findgen(nint[0])/nint[0]

Small_int = fltarr(nint[0],nint[1])
Small_int = INTERPOLATE(reform(Small[*,*]), X, Y, /GRID)

index = WHERE(small_int gt 0, count)
print, count

> IDL  2278
```

Also for Small[3,3]=0.1 I got 4489 nonzero pixels (the other entries in the Small matrix are zero). I was expecting small_int[101:135,101:135] to be the nonzero part (34 pixels in each direction). How can we explain that? Maybe I did something wrong again...