
Subject: Re: making a checkerboard array?

Posted by [Jean H.](#) on Tue, 25 Sep 2007 22:07:41 GMT

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David Fanning wrote:

> JD Smith writes:

>

>

>>> I'm trying to make a checkerboard mask for an array, but I'm missing

>>> something that is likely to be obvious to the IDL array masters.

>>

>> l=lindgen(nx,ny)

>> l=(l mod (xside*2) lt xside) XOR (l/nx mod (yside*2) ge yside)

>

>

> Well, uh, it's not obvious to me. :-(

>

> Cheers,

>

> David

IDL> nx=20

IDL> ny=20

IDL> l=lindgen(nx,ny)

IDL> l=(l mod (nx*2) lt nx) XOR (l/nx mod (ny*2) ge ny)

IDL> print,l

```
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1
  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
0  0  0
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1
  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
0  0  0
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1
  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
0  0  0
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1
  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
0  0  0
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1
  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
0  0  0
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1
  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
```

```
0 0 0
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0
```
