Subject: Re: find bimodal maximum in each row
Posted by Jeremy Bailin on Sun, 06 Feb 2011 20:27:45 GMT
View Forum Message <> Reply to Message

That's easily constructed from peakp:

```
q = [[0,1,2,1,2,1,0], [1,2,0,0,2,2,0], [0,2,2,2,0,1,0]]
nx = (size(q, /dimen))[0]
ny = (size(q, /dimen))[1]

; is this a local maximum?  (note that the index starts at element 1,* of q)
peakp = (q[1:nx-2,*] gt q[2:nx-1,*]) and (q[0:nx-3,*] le q[1:nx-2,*])
; pad peakp to make it the same dimensions as q and multiply
peakonly = q * [replicate(0,1,ny), peakp, replicate(0,1,ny)]


IDL> print, peakonly
       0       0       2       0       2       0       0
       0       2       0       0       0       2       0
       0       0       0       2       0       1       0
```

-Jeremy.