Subject: Re: set all elements in 2d array between some range to 1
Posted by havok2063 on Fri, 22 May 2015 21:58:20 GMT
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My attempted solution was at the bottom. I love value_locate, and I've started tackling this with that but I got stuck. My problem seems a bit more complicated than the uses described on your page.

```
waved = wave[*]
uniwave = sort(waved)
minskywave = skywave - 3
maxskywave = skywave + 3

v1 = value_locate(minskywave, waved)
v2 = value_locate(maxskywave, waved)
```

This gives me the positions in minskywave and maxskywave where the elements in waved lie, but it's not the final answer. I can't combine my "values" array into one big array, because my skywave ranges overlap, and that will give me incorrect binning.

For each element in skywave, I need to find where waved is between skywave+-3, and set those indices to 1. The rest should be set to 0.

Any ideas on how to finish this? Or a simpler way than what I'm attempting. Thanks.

>
> Two ideas:
>
> http://www.idlcoyote.com/code_tips/valuelocate.html
> http://www.idlcoyote.com/code_tips/partition.html
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")