
Subject: Re: where, or, and loops. There has to be a better way.

Posted by [Jeremy Bailin](#) on Fri, 08 Mar 2013 23:55:46 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 3/8/13 5:47 PM, AB wrote:

> Please see the below example to demonstrate my problem:

>

> -----

>

>

> ; This is a large floating point array of river basins

> huc = fltarr(4800,4800)

>

> ; IDs of the basins I want to extract

> NEW = [1102,1103,1104,1105]

>

> ; Find where the basins are

> pos = where(huc eq NEW[0] or \$; IS THIS THE ONLY WAY TO FIND THE VALUES IN THE
LARGER ARRAY??

> huc eq NEW[1] or \$

> huc eq NEW[2] or \$

> huc eq NEW[3])

>

> ; Create new array and insert basins

> key = intarr(4800,4800)

>

> key(pos) = 1

> -----

>

> The issue here is, what happens when the 'NEW' variable has 300 values in it? Do I have to
go through 300 iterations of:

>

> pos = where(huc eq NEW[1] or \$

> or \$

> huc eq NEW[299])

>

>

> I hope someone has found a way around this.

>

> Thanks for any ideas you can give!!!

> Annie

>

>

>

>

I like the following paradigm for these. It assumes that new is sorted -
you'll need to pre-sort it otherwise.

```
pos = WHERE(new[VALUE_LOCATE(new, huc)] eq huc)
```

-Jeremy.
