
Subject: Re: Select values from one array that match multiple values from an other array

Posted by [David Fanning](#) on Thu, 13 Dec 2012 16:35:28 GMT

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David Fanning writes:

```
> OK, I just added a POSITIONS keyword to SetIntersection
> that will return the positions in vector A where the
> values in vector B appear.
>
> A=[1,3,2,5,2,6,1,9]
> B=[1,5]
> C = SetIntersection(a, b, Positions=pos)
> Print, pos
>      0      6      3
```

At Bob Stockwell's suggestion (and with his code!) I have added the keywords INDICES_A and INDICES_B to this program to allow you to return the matching indices in BOTH vectors. Note that this assumes the vectors A and B contain *unique* values. In other words, INDICES_A and POSITIONS are identical vectors IF vector A and B contain unique values. If they don't, then POSITIONS will contain ALL of the locations in vector A where the match occurs.

You can find the updated program here:

<http://www.idlcoyote.com/programs/setintersection.pro>

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
