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Subject: Re: intersection of 2 arrays

Posted by [Craig Markwardt](#) on Mon, 10 Apr 2000 07:00:00 GMT

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dmarshall@ivory.trentu.ca writes:

- > I never seem to have the problem at the time when it is being discussed
- > here since I remember something about this in the past.
- >
- > I have 2 arrays and would like a 3rd that contains the set intersection of
- > the 2. Each element in each is unique.
- >
- > This seems like a basic function but after searching in help, etc. I didn't
- > come up with an elegant solution. Maybe its too basic and I should know it?

There was an extensive discussion here on this newsgroup a week or two ago that you should be able to find on [www.deja.com](http://www.deja.com). It got pretty technical if that's what you want.

For integers with small dynamic range, then the SET\_OPERATIONS that David refers to should be fine.

If you want a canned solution, you might consider using the CMSET\_OP from here:

<http://cow.physics.wisc.edu/~craigm/idl/idl.html>

It handles other data types, including FLOAT and STRING. It performs set union, intersect, and exclusive-or, and also negation (e.g. NOT A AND B)

Craig

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Craig B. Markwardt, Ph.D.      EMAIL: [craigmnet@cow.physics.wisc.edu](mailto:craigmnet@cow.physics.wisc.edu)  
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response  
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Subject: Re: intersection of 2 arrays

Posted by [davidf](#) on Mon, 10 Apr 2000 07:00:00 GMT

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Dave Marshall ([dmarshall@ivory.trentu.ca](mailto:dmarshall@ivory.trentu.ca)) writes:

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- > come up with an elegant solution. Maybe its too basic and I should know it?

There is some information about this sort of thing in this article on my web page:

[http://www.dfanning.com/tips/set\\_operations.html](http://www.dfanning.com/tips/set_operations.html)

Cheers,

David

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