
Subject: Re: how to get index of array B data in array A

Posted by [davidf](#) on Thu, 11 Mar 1999 08:00:00 GMT

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Gary Fu (gfu@seadas.gsfc.nasa.gov) writes:

> Thanks for your quick response. Are there any other methods
> without using the FOR loop?

I don't think so. :-(

Which *almost* guarantees that there will be. :-)

Cheers,

David

--

David Fanning, Ph.D.

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

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Subject: Re: how to get index of array B data in array A

Posted by [Gary Fu](#) on Thu, 11 Mar 1999 08:00:00 GMT

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David,

Thanks for your quick response. Is there any other methods without
using
the FOR loop, since my A and B array may have more than 250000 elements
?

Thanks.

Gary

>

> Gary Fu (gfu@seadas.gsfc.nasa.gov) writes:

>

>> Is there a simple way to get the index of the array B data in array A ?

>>

>> For example : A = [10,20,30,40,50], B = [10, 20, 33, 10, 30, 40, 9]

>> I want like to get the index array of B in A [0, 1, -1, 0, 2, 3, -1]

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> I'm afraid you are stuck doing this in a loop because of

> the way the WHERE function compares unequally-sized arrays.

```
> But you can certainly do something like this:
>
> A = [10,20,30,40,50]
> B = [10, 20, 33, 10, 30, 40, 9]
> C = Indgen(N_Elements(B))
> FOR j=0, N_Elements(B)-1 do C[j] = (Where(A EQ B[j]))[0]
> Print, C
>    0    1    -1    0    2    3    -1
>
> Cheers,
>
> David
```

```
*****
* Gary Fu, GSC (301) 286-7107      *
* email : "gfu@seadas.gsfc.nasa.gov" *
* NASA/Goddard Space Flight Center *
*****
```

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