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

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]

>

> 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 *
