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Subject: Re: Array comparison

Posted by [R.Bauer](#) on Wed, 02 Oct 2002 08:11:33 GMT

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Sean Raffuse wrote:

> Hello,  
>  
> I would like to compare two arrays of different size. What I want to know  
> is if the two arrays share ANY of the same values, regardless of index.  
>  
> e.g.  
>  
> Array1 = [1,2,3,4,5]  
> Array2 = [5,6,7]  
>  
> Comparing these two arrays should return true because they both have the  
> value 5.  
>  
> I know I could do this in a loop, but I need the speed and I'm sure IDL can  
> do this in one line. I'm just not sure how.  
>  
> Thanks,  
>  
> Sean Raffuse  
>  
>

I am using which\_indices

[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_source/idl\\_html/dbase/download/which\\_indices.tar.gz](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/which_indices.tar.gz)

or as idl5.5 binary

[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_source/idl\\_html/dbase/download/which\\_indices.sav](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/which_indices.sav)

```
ix=which_indices(Array1,Array2)
print,array1[ix]
5
```

regards

Reimar

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a IDL library at ForschungsZentrum Juelich  
[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)

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