
Subject: Re: 2d where
Posted by [R.Bauer](#) on Tue, 13 Apr 2004 17:50:58 GMT
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Graham wrote:

```
> I have read through the IDL documentation and while it does explain
> why the following doesn't work, it doesn't offer any alternatives :(
>
> I am trying to find the indexes where the elements of 'bar' are equal
> to 'foo'.
>
> IDL> foo = ["a", "b", "c", "d", "e", "f"]
> IDL> bar = ["b", "e"]
> IDL> print, where(foo eq bar)
>      -1
> PERFECTDL> print, where(foo eq bar)
>      1  4
>
> Any ideas?
>
> Graham
```

Dear Graham

I believe this is duplicated to a thread on the archive
<http://groups.google.de/groups?hl=de&lr=&ie=ISO-8859-1&q=Vector+compariso+group%3Acomp.lang.idl-pvwave&btnG=Suche&meta=group%3Dcomp.lang.idl-pvwave>

There were 22 entries about this question.

Cheers

Reimar

--

Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg-i/>

=====

a IDL library at Forschungszentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

Subject: Re: 2d where
Posted by [Craig Markwardt](#) on Tue, 13 Apr 2004 22:16:32 GMT

Reimar Bauer <R.Bauer@fz-juelich.de> writes:

```
...
>> IDL> foo = ["a", "b", "c", "d", "e", "f"]
>> IDL> bar = ["b", "e"]
>> IDL> print, where(foo eq bar)
>>      -1
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> I believe this is duplicated to a thread on the archive
> http://groups.google.de/groups?hl=de&lr=&ie=ISO-8859-1&q=Vector+comparison+group%3Acomp.lang.idl-pvwave&btnG=Suche&meta=group%3Dcomp.lang.idl-pvwave
... [ corrected link ] ...
```

Hey, you got German in my Google :-)

Seriously, Reimar is right this comes up often, and I claim you almost always want CMSET_OP(FOO, 'AND', BAR, /INDICES). This routine works transparently on both strings and numbers, and scales to large array sizes without hogging too much memory. All other so-called solutions are cursed! :-)

The only time you don't want this routine is if you want to preserve duplicate matches, in which case, good luck!

Craig

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

The only time you don't want that is when

```
>
> There were 22 entries about this question.
>
>
> Cheers
>
> Reimar
>
> --
> Forschungszentrum Juelich
```

> email: R.Bauer@fz-juelich.de
> <http://www.fz-juelich.de/icg/icg-i/>

> =====

> a IDL library at ForschungsZentrum Juelich
> http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html
>

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
