
Subject: Re: Array comparison

Posted by [Craig Markwardt](#) on Wed, 02 Oct 2002 02:59:56 GMT

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"Sean Raffuse" <sean@me.wustl.edu> writes:

> 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.

Mike has a nice one-off comparison you can use. For your kinds of set-comparison tests, I use CMSET_OP with an intersection test.

```
intersection = cmset_op(array1, 'AND', array2, count=ct)
if ct GT 0 then print, 'Arrays match'
```

The variable INTERSECTION contains the intersection between the two sets. The internals of CMSET_OP are ultimately the same as Mike's approach, but with a bit more flexibility.

Craig

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

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
