
Subject: Re: Vector comparison.

Posted by [Craig Markwardt](#) on Thu, 20 Nov 2003 10:19:46 GMT

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

```
>>
>> Alas, Reimar, none of these gives the answer of [2,3,4,6]
>> that Mr. Hunter was looking for. :-)
>>
>> Cheers,
>>
>> David
>>
>> P.S. I know we are all busy, but maybe we should make
>> it a new rule that we all have to take a deep breath and
>> a stretch, then read the question TWICE before
>> posting an answer. :-)
>>
>
> Oh, yes you are right, I missed to post the right thing. As I started
> writing I thought I give a complete answer to all related topics.
>
>
>
> IDL> A=[0,1,3,3,3,6,7,9,9]
> IDL> B=[3,7]
> IDL> print,which_indices(a,b)
```

OK, now it's my turn to be nit-picky. The WHICH_INDICES routine uses a brute force loop approach which was what the original poster was trying to avoid.

I think that getting *all* matches without loops is a rather difficult problem. The approach that I recommended separately involves a "fast" intersection and then a "slow" rebuilding of a duplicates list. That falls over too if the intersection result is large, but it should always be about as fast as the brute force approach.

Craig

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