
Subject: Re: How to get matching elements of array efficiently

Posted by [rogass](#) on Wed, 24 Feb 2010 08:54:45 GMT

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On 23 Feb., 21:11, JJ <j...@cornell.edu> wrote:

> Hi All,

>

> I'm looking for an efficient (non-loop) solution to this problem. I

> have two arrays A, B. The elements of A are not necessarily unique,

> nor is A necessarily sorted. I'd like to find all the indices in A

> that match values that occur in B.

>

> For example, if A = [7,1,8,7,8], B = [7,8], the result should be

> [0,2,3,4].

>

> A and B can have many (order millions) of unique values, so I'd rather

> avoid a loop if I can.

>

> Is there any way to do this efficiently?

>

> Thanks.

>

> -JJ

Hi,

I don't know the other solutions, but maybe this one will also work
for you :)

```
wh = where(total(((c=abs(rebin(transpose(a[*]),$
  ((nb=n_elements(b))),((na=n_elements(a))),/sample) - $
  rebin(b[*],nb,na,/sample)))) eq 0,1))
```

Cheers

CR
