
Subject: Re: Vector comparison.

Posted by [Craig Markwardt](#) on Thu, 20 Nov 2003 08:23:55 GMT

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David Fanning <david@dfanning.com> writes:

> 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. :-)

Heh, I am guilty of the same thing in my own reply. The original poster's requirement of keeping duplicates is a bit harder. From my experience, an efficient set-intersection routine is very likely going to do a sort/unique, which removes duplicates.

If one knows that the intersection is going to be small, then a simple post-processing loop, with a brute force search, will do the trick.

As in:

```
c0 = cmset_op(a, 'AND', b, /index, count=ct)
if ct EQ 0 then message, 'ERROR: No intersection found'
```

```
c = -1L
for i = 0, n_elements(c0)-1 do begin & wh = where(a EQ a(c0(i)), ct) & $
if ct GT 0 then c = [c, wh] & end
c = c(1:*)
```

Craig

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