Subject: Re: The intersection of 2 arrays
Posted by James Tappin on Thu, 06 Mar 1997 08:00:00 GMT
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Phil Williams wrote:
> I know that I can find the union of two arrays by doing something like
>
> temp = [array1, array2]
> union = temp(unig(temp, sort(temp)))
>
> But how would I go about finding the intersection of the two arrays?
> i.e. Is there a nice vector way of doing it rather than brute force?
> (aka: Which IDL function did I miss this time?)
Whether it's feasible depends on the size of the arrays. As far as I know
there is no really nice way to do it. But for smallish 1-D arrays I think
the following will work
temp = reform(array2,1,n_elements(array2))
imatch = array1(*,intarr(n_elements(array2)) eq $
temp(intarr(n elements(array1),*)
sum=total(imatch,1)
locs=where(sum ne 0)
inter = array1(locs)
Several of those lines can probably be condensed together, but even so I'd
rather not try it for two 13000 element arrays.
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