Subject: Re: The intersection of 2 arrays Posted by wonko on Tue, 04 Mar 1997 08:00:00 GMT View Forum Message <> Reply to Message williams@irc.chmcc.org (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?) How big are your elements? My idea would be something like this: mask = bytarr( max( [ array1, array2 ] ) + 1 ) mask(array1) = 1bmask(array2) = mask(array2) + 1bintersection = where( mask eq 2b, count ) Works for positive values only. And the intersection of [1L, 2L] and [ 1L, 10000000L] might be a problem...

Alex

--

Alex Schuster

Wonko@weird.cologne.de alex@pet.mpin-koeln.mpg.de