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Subject: Re: Removing equal elements from an array  
Posted by [news.qwest.net](http://news.qwest.net) on Thu, 17 Aug 2006 16:07:59 GMT  
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"Julio" <julio@cpa.unicamp.br> wrote in message  
news:1155653196.084429.65000@74g2000cwt.googlegroups.com...  
> Another question... please help me!!  
>  
> I have an array 'A' with two columns, latitudes and longitudes, and  
> several lines. A need to make another array with the elements of A that  
> don't repeat. An example:  
>  
> A[0]=[20.4, 40.3, 50.2, 50.2]  
> A[1]=[30.2, 60.2, 32.4, 32.4]  
>  
> Note that the third and fourth pairs are the same (50.2, 32.4). So, I  
> need to make another array and remove one of the pairs. So, I would  
> have:  
>  
> A[0]=[20.4, 40.3, 50.2]  
> A[1]=[30.2, 60.2, 32.4]  
>  
> Do you have any idea how to do that??  
>  
> Thanks!  
>  
> Julio

If I follow you correctly, you want to find unique pairs of numbers right?  
How about combining the pairs into one number, and running uniq() on that?

For instance:

```
A = fltarr(2,4)
A[0,*]=[20.4, 40.3, 50.2, 50.2]
A[1,*]=[30.2, 60.2, 32.4, 32.4]
combo = A[0,*]*1000 + A[1,*]
indices = UNIQ(combo, SORT(combo))
```

{and of course, keep in mind the comments by JD and others about  
using uniq on floats. You might want to change the lats and lon to integers  
and then use uniq: (something like)  
int\_a = round(a\*100)

Cheers,  
bob

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