Subject: Re: Removing equal elements from an array
Posted by news.qwest.net on Thu, 17 Aug 2006 20:32:30 GMT
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"JD Smith" <jdsmith@as.arizona.edu> wrote in message
news:pan.2006.08.17.17.59.05.354360@as.arizona.edu...
...

> [5.5,5.5] => combo= 5505.5
> [5.2,305.] => combo= 5505.5

Good point, but I thought it was obvious to choose the correct
multiplication
factor such that the 2 numbers will not overlap. Six digits of lat
or lon will give 10 meter resolution, which is probably good enough
for many geophysical applications.
So, to be more precise:

```
; make data array
 A = fltarr(2,9)
 A[0,*]=[20.4, 40.3, 50.2, 50.2, 5.5,5.2, .2,.1,.15]
 A[1,*]=[30.2, 60.2, 32.4, 32.4, 5.5, 302,10,110,60]
original_a = a

factor = 10L^6L ; 6 digits for each value
intfactor = 1000 ; take 3 decimal places, 10m resolution
a = round(a * intfactor,/l64)
combo = A[0,*]*factor + A[1,*]
result = UNIQ(combo) ; the indices

; output results
print
print, 'result'
for i = 0, n_elements(result)-1 do begin
 print,original_a[*,result[i]]
endfor

end
```