
Subject: Re: Removing equal elements from an array
Posted by [JD Smith](#) on Wed, 16 Aug 2006 17:40:21 GMT
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On Wed, 16 Aug 2006 10:12:43 -0600, Jean H. wrote:

> Hi,
>
> just sort your array based on the 2 fields...
> you can do something like:
> maxCol2 = max(a[1,*])
> sortedIndices = sort([a[0,*]*maxCol2 + a[1,*]])
> now do as you did before, but using a[0,sortedIndices] and
> a[1,sortedIndices]

This will only work in general for integer valued coordinates, but will get you into trouble with floating point. Note the following degeneracy, for maxCol2=180.:

$.1 * 180 + 1 == .05 * 180 + 10.$

thus, e.g., [1,1] and [0.05,10.] would be considered the same coordinates in your method.

The only possibility for arbitrary floats over some range is to cast them to integers using a useful precision, and then shifting one set of numbers clear of the other.

JD
