Subject: Array containing maximum values for two arrays
Posted by joellama on Thu, 12 Dec 2013 17:17:46 GMT

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Hi,

I am trying to figure out how to take two arrays and make a new array with each value is the maximum value of each of the sub elements of the two arrays, i.e.

a = [5, 6, 7]
b = [3, 8, 4]

then the resultant vector would be
c= [5, 8, 7]

Ideally I would obviously like to do this without a loop!

Any help would be really appreciated

Subject: Re: Array containing maximum values for two arrays
Posted by joellama on Thu, 12 Dec 2013 17:21:09 GMT

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On Thursday, December 12, 2013 5:17:46 PM UTC, joel...@gmail.com wrote:
> Hi,
>
>
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Apologies, i've just realised that max(array, dimension=2) will do what i'm after.

Subject: Re: Array containing maximum values for two arrays
Posted by Phillip Bitzer on Thu, 12 Dec 2013 19:28:26 GMT
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On Thursday, December 12, 2013 11:21:09 AM UTC-6, joel...@gmail.com wrote:
>
> Apologies, i've just realised that max(array, dimension=2) will do what i'm after.

Well, you could do that, assuming you're concatenating your two 1D arrays in to an nx2 array. But, a more efficient way is to use the maximum operator:

c = a > b