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Subject: how to get the index of the maximum element in each row for a 2D matrix efficiently

Posted by [xje4e](#) on Fri, 29 Aug 2003 17:34:52 GMT

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Hi, there,

Suppose we have a 2D dimension matrix  $A(i,j)$ , I want to get the index of the max element in each row.

Basicly, we can do a for loop on each row, then use 'max' function to get the index for each row. But for a matrix having many rows, that will be pretty slow-->not efficient. Is there a function that can return what I want if I input a 2D matrix.

In the previous version, 'total' function can only get the total values of the whole matrix. Now it can get the total values on each dimension by setting the keyword 'dimension'.

So how is 'max' working?

Best regards,

Jin

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