Subject: array indexing question
Posted by mmiller3 on Thu, 11 Jul 2002 22:57:02 GMT
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I'm doing some calculations to calculate mutual information and I have a question about the most efficient/slickest way to calculate the sum. I wonder if there is a loop-free way to do this.

I have three arrays, pa, pb and pab. pa and pb are both 1D arrays of length N and pab is a 2D NxN array. I want to calculate the sum of pab[i,j]*alog(pab[i,j])/pa[i]/pb[j]. I know that I can do things like total(pa * alog(pa)) when I'm dealing with a single array. Any suggestions for how to do my first sum most efficiently?

Mike

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