Subject: general matrix multiplication
Posted by David Schmidt on Mon, 23 Feb 1998 08:00:00 GMT
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All,

I'm looking for a routine to perform generalized matrix multipication over particular indexes within arrays. For example, let A be a (10,3,20) array and B be a (20,5,10,30) array. I want to be able to multiply and add (i.e. matrix multiply) the elemens within index 1,3 of A and 3,1 of B and produce a result of dimension (3,5,10). While this can be done simply by using FOR loops, I'm looking for a routine that does this efficiently, using built-in IDL routines. Does anyone know of such a routine? ...how I could construct such a routine?

Thanks,

David
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