Subject: operating on 3-d arrays
Posted by John Keck on Mon, 10 Mar 1997 08:00:00 GMT

The IDL manual encourages avoiding FOR...NEXT loops by using the vaunted
matrix capabilities of IDL, so I have been trying to handle
three-dimensional arrays.

I need to multiply three vectors to produce a three-dimensional array.
One would think that it would suffice to use the matrix multiplication
operator (#) as one does with a pair of vectors to get a two-dimensional
array. However with three vectors, IDL gives the error message

    % Operands of matrix multiply have incompatible dimensions...

Anyone have a simple way to manipulate three (and higher) dimensional
arrays in IDL?

Thanks,

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