

---

Subject: operating on 3-D arrays

Posted by [John Keck](#) on Fri, 07 Mar 1997 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

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 with these facilities.

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,

John Keck

---