Subject: Meaning of outer product
Posted by Paul Sorenson on Sat, 13 Jul 2002 00:33:56 GMT
View Forum Message <> Reply to Message

Greetings,

IDL documentation says: "Note - If A and B arguments are vectors, then C = MATRIX_MULTIPLY(A, B) is a matrix with C_ij = A_iB_j. Mathematically, this is equivalent to the outer product. . . ." But I'm having difficulty reconciling this with my understanding of outer product. . .

```
c.x = a.y*b.z - a.z*b.y
c.y = a.z*b.x - a.x*b.z
c.z = a.x*b.y - a.y*b.x
```

... which yields a vector (c) instead of a 2D array. Can anyone shed some light on this?

-Paul Sorenson