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Subject: Multiplying a cube by a vector

Posted by [Pierre Chania](#) on Wed, 08 Dec 1999 08:00:00 GMT

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Hi !

Has anybody written a function that multiplies an array by a vector along a given dimension?

For the last dimension, one can do for an array of dimension nx,ny,nz :

```
vector_unit = replicate(1, nx*ny)
newcube = vector ## vector_unit
newcube = reform(cube,nx*ny, nz) * temporary(newcube)
newcube = reform(newcube, nx,ny,nz, /overwrite)
```

but for the other dimensions ?

Cheers Pierre

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