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Subject: 2D array replicated into 3D array plane by plane

Posted by [M. Katz](#) on Wed, 26 Sep 2007 14:30:40 GMT

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I'm wondering if there's a quick way to replicate a 2D array into a 3D array with every xy plane being the same.

> From 1D to 2D I use something like this, the outer product.

```
xx = x # (1 + fltarr(N))
```

This makes every row equal to x in a jiffy.

> From 2D to 3D however, the methodology is not as clear.

Thanks,  
M. Katz

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