
Subject: Adding arrays of different dimensions

Posted by [ianpaul.freeley](#) on Fri, 19 Oct 2007 16:46:43 GMT

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I keep running into this and not being sure what the best solution is.

I have a 2d array, and I'd like to add a 1d array to each row (or column).

The easy stupid slow way:

```
a=findgen(3,5)
```

```
b=[1,2,3]
```

```
for i=0,4 do a[:,i]=a[:,i]+b
```

Perhaps a better way with no loops:

```
a=findgen(3,5)
```

```
b=[1,2,3]
```

```
x=b#(fltarr(n_elements(a[0,*])) +1)
```

```
a=a+x
```

Is there a better way? Anyone care to generalize so I can optimally add 2d arrays into 3d?

Thanks,
IP Freeley
