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Subject: Re: Plot difference

Posted by [Jeremy Bailin](#) on Fri, 01 May 2009 03:31:20 GMT

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> (REBIN will work if you set the /SAMPLE keyword, but that really  
> isn't the right tool for the job.)

Not quite:

```
IDL> a = findgen(2,3)
```

```
IDL> print, a
```

```
0.00000  1.00000
```

```
2.00000  3.00000
```

```
4.00000  5.00000
```

```
IDL> print, reform(a,6)
```

```
0.00000  1.00000  2.00000  3.00000  4.00000
```

```
5.00000
```

```
IDL> print, rebin(a,6)
```

```
2.00000  2.33333  2.66667  3.00000  3.00000
```

```
3.00000
```

```
IDL> print, rebin(a,6,/sample)
```

```
0.00000  0.00000  0.00000  1.00000  1.00000
```

```
1.00000
```

Rebin is treating "6" as "6,1"... so it's expanding the first dimension from 2 to 6, while collapsing the second dimension from 3 to 1.

-Jeremy.

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