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Subject: Re: Duplicating an array help

Posted by [don.woodraska](#) on Fri, 24 Apr 2015 23:20:50 GMT

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On Friday, April 24, 2015 at 5:02:42 PM UTC-6, Joe Llama wrote:

> I'm not entirely sure how best to phrase what I am trying to do but essentially I am trying to find a function that does something like this (but without the loop):

```
>
> x = findgen(5)
> y = x
> for i = 0, 100 do y = [y, x]
>
> So I then have an array [0,1,2,3,4,0,1,2,3,4...] 100 times. Is there a way of doing this without the loop?
>
> Thanks!
```

This would probably work. It's not very readable, but it's only one line. Your code produces a 510 element array, so I used rebin with 102 as the second dimension then flattend it. I don't know how memory efficient this is.

```
z=(rebin(x,5,102))[*]
```

You can check if it's the same. I ran your example and calculated the sum of squared differences to be 0.

```
print,total((z-y)^2)
      0.00000
```

Don

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