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Subject: Re: How to speed up large FOR loops?  
Posted by [Saurav Dhital](#) on Tue, 10 Apr 2012 17:23:31 GMT  
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David, I am NOT using the REFORM routine, which I now realize could be my problem. Here is what I do:

```
;; combine two 2-d arrays ([N1,N2]) such that the output is  
[2,N1,N2]  
FUNCTION  
form_3Darray,a1,a2  
return, transpose([[[transpose(a1)]],  
[[transpose(a2)]]])  
END
```

I call this as:

```
>> x = [[x1],[x2],[x3]] & y = [[y1],[y2],[y3]]  
> z = form_3Darray([x],[y])
```

I have to do this so I can store z in a single field in the FITS structure.

Thanks,  
~S

On Apr 10, 1:13 pm, David Fanning <n...@idlcoyote.com> wrote:

```
> Saurav Dhital writes:  
>> Yes. More specifically, I reform arrays and assign them to the new  
>> FITS structure. This happens a lot.  
>  
> Are you setting the OVERWRITE keyword on your REFORM  
> command? You should be!  
>  
> Cheers,  
>  
> David  
>  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/  
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```

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