
Subject: Faster than this...

Posted by [Ricardo Fonseca](#) on Thu, 03 Feb 2000 08:00:00 GMT

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Hi

I have this line of code in IDL 5.2a

```
for j=0, N-1 do Data[j]=XAxisData[j]^2*Data[j]
```

Where both Data and XAxisData have the same dimension N.

Does anyone know if there is a faster way of doing this
(i.e. avoiding the for cicle) ?

Thanks, Ricardo

Subject: Re: Faster than this...

Posted by [Ricardo Fonseca](#) on Fri, 04 Feb 2000 08:00:00 GMT

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Nope, not a trick question, just a vary basic one

Thanks, Ricardo

```
> From: Craig Markwardt <craigmnet@cow.physics.wisc.edu>  
> Organization: U. Wisc. Madison Physics -- Compact Objects  
> Reply-To: craigmnet@cow.physics.wisc.edu  
> Newsgroups: comp.lang.idl-pvwave  
> Date: 03 Feb 2000 19:00:34 -0600  
> Subject: Re: Faster than this...
```

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> Ricardo Fonseca <zamb@physics.ucla.edu> writes:
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>>
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```
>> I have this line of code in IDL 5.2a
```

```
>>
```

```
>> for j=0, N-1 do Data[j]=XAxisData[j]^2*Data[j]
```

```
>>
```

```
>> Where both Data and XAxisData have the same dimension N.
```

```
>> Does anyone know if there is a faster way of doing this
```

```
>> (i.e. avoiding the for cicle) ?
```

```
>
```

```
> I hope this isn't a trick question. The expression
```

```
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```

```
> Data = XAxisData^2 * Data
```

```
>
```

> should work fine. Don't worry about Data being overwritten. The
> right hand side is fully evaluated with the "old" value of Data,
> before the "new" value of Data is assigned.
>
> Craig
>
> --
> -----
> Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
> Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
> -----
