
Subject: Re: A[X,Y,Z] -> A[Z,X,Y]

Posted by [Liam E. Gumley](#) on Wed, 09 Aug 2000 07:00:00 GMT

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Dave Greenwood wrote:

>
> I'm trying to analyze data from a new experiment using an IDL code from
> a different experiment. The new experiment has data stored in an array
> of the form [X,Y,Z] while the code expects [Z,Y,X]. I can do something
> like (untested):
>
> FOR i = 0, z-1 DO BEGIN
> FOR j = 0, y-1 DO BEGIN
> newarray[i, y, *] = oldarray[*, y, i]
> ENDFOR
> ENDFOR
>
> But I thought perhaps someone (probably several people) here could
> suggest a better (faster, more elegant, etc.) way?
>
> Fyi, to give some size to the problem, X=1024, Y=39 and Z=3.

```
a = findgen(1024, 39, 3)
```

```
b = transpose(a, [2, 0, 1])
```

```
help, b
```

```
B          FLOAT    = Array[3, 1024, 39]
```

Cheers,

Liam.

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