
Subject: Re: REVERSE even row elements in data array.

Posted by [davidf](#) on Sun, 02 Aug 1998 07:00:00 GMT

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Henry Throop (throop2@my-dejanews.com) writes in response to this question by Jouhahn Lee:

>> Would you tell me how can I apply REVERSE only to the even row data in

>> 64*32 array?

> Try this, with your array to be reversed in the array 'data':

>

> xdim = 64 ; x array dimension

> ydim = 32 ; y array dimension

>

> odds = double(((1+intarr(xdim)) # indgen(ydim)) mod 2)

> ; create a list of integers and a list of 1's,

> ; co-multiply them, and extract last bit.

>

> evens = not odds ; every row of this array which is 1 will be

> ; reversed

>

> result = data*odds + reverse(data*evens)

> ; reverse and extract the appropriate elements

This is very nice. But can you elaborate on why you used the DOUBLE function in the code above? I get the same result without it and I am wondering what problem you are trying to solve by using it.

Thanks for this solution.

David

P.S. I solved the problem in a slightly simpler way, like this:

```
evens = Indgen(32/2) * 2
data[* , evens] = Reverse( data[* , evens] )
```

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David Fanning, Ph.D.

Fanning Software Consulting

E-Mail: davidf@dfanning.com

Phone: 970-221-0438

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
