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Subject: Re: Flipping Integer\*2

Posted by [geomagic](#) on Wed, 22 Sep 1993 01:43:54 GMT

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In article <Sep21.220101.48083@yuma.ACNS.ColoState.EDU> dean@phobos.cira.colostate.edu writes:

> I have a data base created on a VAX/VMS machine with values that are  
> integer\*2. I am attempting to read these files from a PC using IDL, but  
> the numbers are all wrong. I suspect I need to flip the bytes in the  
> integer\*2 to get the right number. Can someone tell me how to do this  
> with IDL.

You need to use BYTEORDER:

ROUTINE:

BYTEORDER, Variable\_1, ..., Variable\_n

DESCRIPTION:

BYTEORDER converts integers between host and network byte ordering or floating-point values between the native format and XDR (IEEE) format. This routine can also be used to swap the order of bytes within both short and long integers. If the type of byte swapping is not specified via one of the keywords below, bytes within short integers are swapped (even and odd bytes are interchanged).

Dan O'Connell

[geomagic@seismo.do.usbr.gov](mailto:geomagic@seismo.do.usbr.gov)

Seismotectonics Group, U.S. Bureau of Reclamation

Denver Federal Center, P.O. Box 25007 D-3611, Denver, CO 80225

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