
Subject: Re: Byte Swapping

Posted by [bc25](#) on Thu, 20 Nov 2003 22:35:47 GMT

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mwatson@met.fsu.edu (Mike W) wrote in message

news:<eb94e153.0311201151.428e6819@posting.google.com>...

> I have a large set of data that apparently was created on a little
> endian platform. I am working on a big endian platform and cannot get
> the data to read in correctly. These are my commands:

>
> brr=fltarr(1090,820)
> byteorder,brr,/swap_if_big_endian
> openr,1,'ndvi0006.d'
> readu,1,brr
> close,1

>
> and i get this error message:

>
> % READU: End of file encountered. Unit: 1, File: ndvi0006.d
> % Execution halted at: \$MAIN\$

>
> The data is not read correctly and is also very important when I do
> convert the data. I should get values in the array from -1 to 1. The
> negative values seem to be OK but the positive values are much too
> large. The data works fine when it was read on a little endian machine
> so that is why I assumed that this is the byte order of the data. Any
> help would be greatly appreciated.

>
> -Mike Watson
> -Florida State University

You may want to try:

```
brr=fltarr(1090,820)
openr,inunit,fname,/GET_LUN,/SWAP_IF_BIG_ENDIAN
readu,inunit,brr
FREE_LUN,inunit
```

This works for me on Mac, Unix and PC reading data written by a PC.
