
Subject: Re: Help: Byte-swapping program
Posted by [plutchak](#) on Mon, 12 Dec 1994 18:54:55 GMT
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In article <3chsab\$d78@paperboy.gsfc.nasa.gov> thompson@orpheus.nascom.nasa.gov (William Thompson) writes:

> I don't know about PV-Wave, but IDL does contain the options /XDRTOF and
> /FTOXDR to convert between IEEE and the local host floating point
> representation. Similarly, one can use /XDRTOD and /DTOXDR for double
> precision.
>
> The IDL astronomy user's library (anonymous ftp to idlastro.gsfc.nasa.gov)
> routines IEEE_TO_HOST and HOST_TO_IEEE does the appropriate conversions for all
> data types.

Yes, but neither of those seem to be sufficient. In my case (and I believe in the case of the original poster), we've got VAX floating point numbers to be read into IEEE format on a machine who's local format *is* IEEE. Unless I'm missing something in my reading of the manual, that's not covered by IDL's conversion functions.

I've got some code lying around somewhere that I wrote to go from VAX to IEEE floating point (single-precision), which I'll dig up if I don't see any other solution go by before I get back from my travels.

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