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Subject: converting ieee-float-format to pw-wave-float-format

Posted by [SLAMECZKA](#) on Fri, 26 Aug 1994 08:07:33 GMT

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In <33ien2\$17v@ncar.ucar.edu> caron@acd.ucar.edu writes:

> you need to examine the binary representation of floating points on the  
> two machines you are using. If you say what the cpus are, perhaps someone  
> here could tell you the representations.  
>  
> [snip]  
>  
> The nice thing about ieee is that its the same across all machines (is that  
> true for its byte order also?).

The manual of the program (EDAS) I am using on my PC 386 says, that the  
datas will be written binary to the harddrive. I copy this datas to my network  
harddrive, start pw\_wave 4.01 (Dec VAX), read the datas and all the values are  
correct, except the floating points.

The manual only says; that the float is a 4 Byte floating point (float in  
"c", IEEE Format). Thats everything.

Now what is this IEEE format?

Which bits are the exponent, which are the mantisse and how to translate it  
to pw\_wave??

I hope for help

thanks

Michael

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