Subject: Re: converting ieee-float-format to pw-wave-float-format
Posted by peter on Wed, 24 Aug 1994 15:38:27 GMT

SLAMECZKA,MICHAEL (SLAMECZKA@EZINFO.VMSMAIL.ETHZ.CH) wrote:
: Hi everybody!!

: My problem is the following:

: I have an 4 byte float in the ieee-format and should convert it into the
: pw_wave-format.

There's a difference?

: To do so, I had to shift the byte by 2, that means:
: byte1 byte2 byte3 byte4 had to be shifted:

: --> byte3 byte4 byte1 byte2

: in pw_wave I do the following

: readu,1,flo
: print,flo ---> byte3 byte4 byte1 byte2
: print,float(flo,0) ---> floaatingpointnumber

Ah, maybe you need to byteswap your data (did you transfer it from one
CPU type to another?) Try the BYTEORDER command. From your
description, I think you need BYTEORDER, /LSWAP.

: now my problem realy starts:
: the result is only one quarter of the originally number, that means, if I had
: a 10 then i get as result in pw_wave 2.5!!!

Never seen this!

: thanks a lot

Hope this helps,

Peter