
Can / Am EMTP News

Voice of the Canadian/American EMTP User Group

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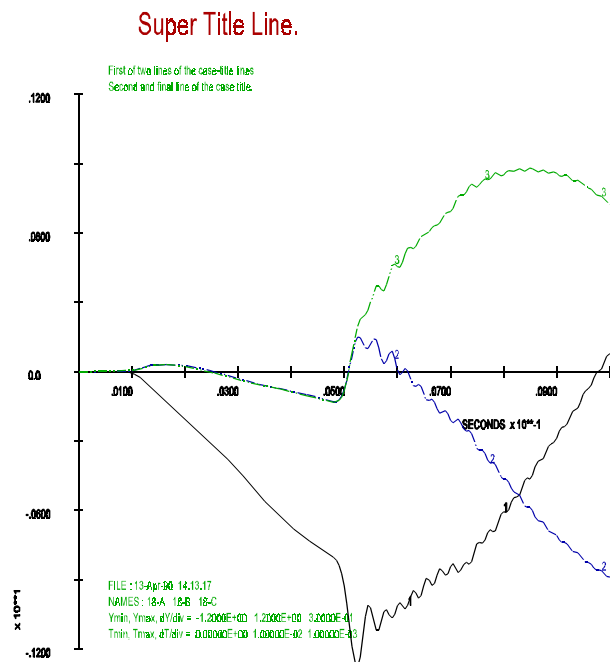
Dr. W. Scott Meyer
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WordPerfect Publishing Software

The altered appearance of recent issues of this newsletter is due to changes in the software of electronic publishing. Whereas the founding Editor and Publisher, Mr. Thomas Grebe, used Xerox's Ventura Publisher to produce the first five issues (through the end of 1989), the preceding issue relied upon Lotus Manuscript and only a single character size. The present issue has been improved by movement to WordPerfect Version 5.1 and Glyphix scalable fonts by Swfte International, Ltd. The publishers are happy with the latest enhancement, and expect to continue using their new software for the foreseeable future.

software as pictures. In the right hand column will be seen an illustration that was produced using the HPGL command of "TPPLOT" while working on the ".PL4" file of BENCHMARK DC-3. If the HP-GL file had been sent to a pen plotter, the result would have filled an 8.5 x 11-inch sheet of paper. But publishing software allows further, arbitrary scaling. The width was set to fit the column, and the height was deliberately increased to improve readability. So, those wanting to contribute articles for publication now can add plots to their text! The editors can stretch or shrink both horizontal and vertical scales to match the needs of publication. An illustration should be provided by at least one article in the June issue of EMTP News (look for Wendell Neugebauer's interesting use of TACS to model a rail gun).



A separate story in this issue explains that HP-GL output of interactive plotting programs now can be sent to publishing

Graphics from Lotus Freelance also can be imported by WordPerfect, fortunately. This is the source of the first two small line drawings ("clip art") toward the end. If the one associated with the Minnesota EMTP short course is recognized from former Editor Grebe's issues, it is because he used the same drawing program (Lotus Freelance) with Ventura Publisher. Editor Grebe enhanced the standard offering (seen in this issue) by a hand-drawn graph on the easel, however. The three final sketches (beach, globe, and butterfly) came from WordPerfect itself, which has a limited library of art produced by the associated drawing program DrawPerfect. Prof. Carroll has been using DrawPerfect for more creative applications, as some future story in EMTP News should report.

The soft fonts can be scaled to any size between 3 points and 120 points without loss of resolution. That is, the fonts are stored as formulas rather than bit-maps. Of course, the fundamental accuracy of the laser printer can not be improved, so as font size decreases to zero, there is a problem for printers with reduced precision. The H-P Laserjet Series II used for this publication only had 512 Kbytes of RAM, so is limited to 150 pixels/inch, and the smallest fonts suffer accordingly. An

illustration is better than any verbal description:

This 3-Point Line IS THE SMALLEST that is allowed. Note that we must key a lot of text in order to fill the entire line. CAPITAL LETTERS ARE MORE READABLE.

6 Points is the size of this SECOND illustration. Here, too, we lengthen the line.

This 10-Point is the size of NEWSLETTER'S base font.

18 points: OK FOR headings.

40 points LARGE.

80 Pts.

More than just character size has been illustrated, note. The 18-point line illustrates a font effect named "33% reverse," the 40-point line illustrates "outline," and finally, the 80-point line illustrates "diagonal left." There are many such variations from which to choose.

The Zingbat font (one of five that come with the standard package) offers special symbols that are useful. Several of these will be illustrated using 40-point size:

~ · ¨ G ~ 1 ‡ n , • %o ” Å~

The user group's new software was not expensive, it should be emphasized. WordPerfect Version 5.1 was purchased locally for \$199 whereas the fonts were purchased by telephone and VISA card for \$100 plus \$5 shipping and handling. For more information about the Glyphix fonts by Swfte, see page 37 of the May 15th issue of PC Magazine. Prof. Dennis Carroll of the University of Florida is an earlier convert to WordPerfect. He deserves thanks for his helpful advice that encouraged the software change.

EMTP News Available Locally

EMTP News, the journal dedicated to royalty-free EMTP development and usage, will be available much cheaper and more easily within the USA and Canada. Recall that the problems of Belgian francs and international mailing were summarized 3 months ago. Well, beginning with the June issue, secondary printing and distribution by the user group will be available to members for an annual subscription fee of US\$15. A member may subscribe at any time, but only for an entire calendar year (the four issues of March, June, September, and December). Preceding issues (if any) for the year will be sent with the next new one. Other existing rules of the user group are unchanged: Payment must be by check or money order (payable to "Tsu-huei Liu"), no receipts are provided (your cancelled check is your proof of payment, if needed), and the user group does not respond to purchase orders (particularly

those that impose added conditions on the transactions).

