Inter-Office Memorandum

Τo

Alto users

Date

October 20, 1975

From

Bob Sproull

Location

Palo Alto

Subject

Changes to .AL format

Organization CSL

XEROX

One vital piece of information is missing from the present .AL font format--the baseline of the font. The format is redefined to accommodate a 7-bit field "baseline," which is the distance (in bits) from the baseline to the top of the highest character. Baseline=0 means that you are reading a font file created before this format change, and you must either guess at the baseline or suffer.

The format change only involves the first two words of the font:

//Height of font //True if font is proportionally spaced //Here is the new baseline info //Maximum character width

Note: The Height entry is the honest truth about the font: if the user allocates Height scan-lines for a text line, no character will overflow either above or below the line of text. Note that characters with 0 words of bit-map (e.g., space) may exceed the Height number without trouble.

The MAXC directory ALTOFONTS will contain only .AL fonts with baselines correctly incorporated. This directory is at present empty; I will build it up in time. Matt Heiler's wonderful new fonts coordinated with EARS fonts will shortly begin to appear on ALTOFONTS.

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