Writing Gregg Shorthand with LaTeX and METAFONT

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Abstract

We present an on-line system, which tries to convert English text into Gregg shorthand(O'Kennedy, 1990), phonetic pen writing system used in the U.S. and Ireland.

The given text is at first tokenized (tokens being punctuation marks, words and common phrases). For each of the tokens a METAFONT glyph is generated on-the-fly. These glyphs are (smooth) combinations of shorthand graphems corresponding to phonems obtained from a pronunciation lexicon (Fitt, 2006). The shorthand text is then set with LaTeX.

References

Fitt, Susan. "Unisyn multi-accent lexicon". 2006. http://www.cstr.ed.ac.uk/projects/unisyn/.

O'Kennedy, Gerard. *Gregg Shorthand Manual Simplified*. McGraw-Hill, 1990.