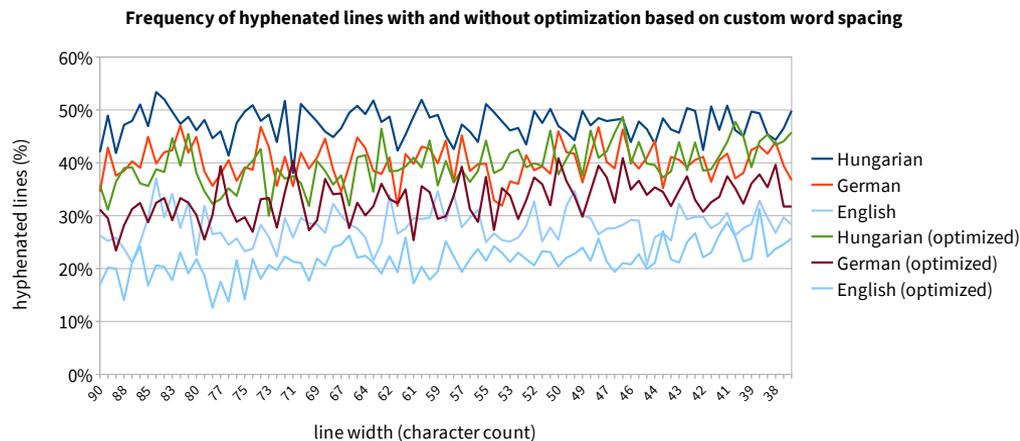# Research

- Automatic hyphenation of compound words at constituent boundaries in the open source LibreOffice Writer word processor

- Custom word spacing optimized for hyphenation (80%, 100%, 133%)

- same text, different line width: large fluctuation

- big average optimization:

  - English: 28% → 22%

  - German: 40% → 33%

  - Hungarian: 47% → 40%

Frequency of hyphenated lines with and without optimization based on custom word spacing

hyphenated lines (%)

line width (character count)

Hungarian
German
English
Hungarian (optimized)
German (optimized)
English (optimized)

Achieving optimal readability

Frequency of hyphenated lines with and without optimization based on custom word spacing