

# **gropdf.zig Test**

*by*

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## **Introduction and Motivation**

**T**his file contains only some paragraphs of text. Its purpose is to showcase some of groff's features und highlight potential rendering problems in my custom PDF backend, gropdf.zig.

## **Current State**

**C**urrently, a lot of features are implemented: We clearly can typeset characters, sentences and whole paragraphs. In addition, headings are working, some glitches have been solved by me. Even Drop Caps are working, and if you look closely, you will notice the page number at the bottom. But there is dash character missing on the right side of the page number. This is due to a missing H request in grout.

The positioning in grout is an interessting topic, as it seems to be absolute, at first glance. Meaning, there are H and V absolute coordinates given through all of the document. Everywhere, but at the page bottom, where the "- 1 -" is to be rendered. There, groff relies on the output device updating an internal drawing position, according to the characters put on the page.

This relative positioning is currently not implemented in gropdf.zig and that is why the second '-' is rendered exactly above the first one and it seems as though there is no second.