

**WYSIWYG View**

# Introduction to SwiftPad

January 10, 2019

## 1 Introduction

We introduce a novel document processing system for generic e-ink devices, namely, SwiftPad. Specifically, SwiftPad integrates the  $\text{\LaTeX}$  typesetting engine with the WYSIWYG editing concept, which enables users to directly edit various documents in their final print layout. This novel composition brings about immense advantages. Firstly, the application of the acclaimed  $\text{\LaTeX}$  typesetting engine delivers excellent typographic quality in the generated documents. Secondly, the WYSIWYG interface can easily provide users with a low-distraction and simple editing experience. Most importantly, the intermediate results in the WYSIWYG editor are a faithful display of the final print form. It means users can instantly review their current editing results as if they were reading a well typeset document on an e-paper device, which is generally considered as a delightful and calming experience.

**Cursor****Source View**

```
9 This novel composition brings about immense advantages.
10 Firstly, the application of the acclaimed \LaTeX\ typesetting engine delivers excellent typographic quality in the generated documents.
11 Secondly, the WYSIWYG interface can easily provide users with a low-distraction and simple editing experience.
```