Sample Mobile Document

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1 Introduction

In this article, we will attempt to showcase how easy it is to produce a document in LateX which can be easily read on a phone or any handheld device. It is not a surprising fact that most people find it hard to read and navigate a LaTeX document when on the phone. LaTeX defaults are designed for printed paper and when viewed on phone, people run into these issues:

- The large paper size leads to very small font size when the page is viewed as a whole in portrait mode.
- Landscape mode requires that the phone be held horizontally which is usually inconvenient and requires a lot of scrolling.
- Many a times, one has to zoom into a small part of the document and then move horizontally following the line. This makes navigation a headache.

So let's try and produce a version of the document suited for mobile viewing perhaps? Reading ought to be easy and natural, the design of the document should get out of the way and let us concentrate on the content. Hence, I present to you this format. The template.xml file included with this, will allow you to easily switch between compiling for desktop and mobile viewers. How hard is it to just compile twice and put out two files instead of one, if it affords the viewer a better ex-

perience and correspondingly increases the chances your document will be read properly?

Enough talk, let's see some math here.

$$\int_{-\inf}^{+\inf} e^{\frac{-x^2}{2}} dx = \sqrt{2\pi}$$

$$e^{\pi i} + 1 = 0$$

Even this complicated equation I found by searching 'complicated latex formula' on Google.

$$S(\omega) = \frac{\alpha g^2}{\omega^5} e^{[-0.74\left\{\frac{\omega U_\omega 19.5}{g}\right\}^{-4}]}$$
$$= \frac{\alpha g^2}{\omega^5} \exp\left[-0.74\left\{\frac{\omega U_\omega 19.5}{g}\right\}^{-4}\right]$$

But you might say *"All this sans serif font business is making me feel weird. I like the standard LaTeX font."*. Sure! Skip to the next page for that.

2 Introduction II

In this article, we will attempt to showcase how easy it is to produce a document in LateX which can be easily read on a phone or any handheld device. It is not a surprising fact that most people find it hard to read and navigate a LaTeX document when on the phone. LaTeX defaults are designed for printed paper and when viewed on phone, people run into these issues:

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$$\begin{aligned} S(\omega) &= \frac{\alpha g^2}{\omega^5} e^{[-0.74\left\{\frac{\omega U_\omega 19.5}{g}\right\}^{-4}]} \\ &= \frac{\alpha g^2}{\omega^5} \exp\left[-0.74\left\{\frac{\omega U_\omega 19.5}{g}\right\}^{-4}\right] \end{aligned}$$