My first LaTeXdocument

Florian Hartig

September 2, 2014

Abstract

This document provides a first introduction into the typesetting system LaTeX. After reading it, you will know everything there is to know about LaTeX.

Contents

1 Introduction

This is my **first** *sentence*.
This is my *second* sentence.
This is my third sentence. You can also put some distance between lines.

Test

2 Doing equations

2.1 Inline equations

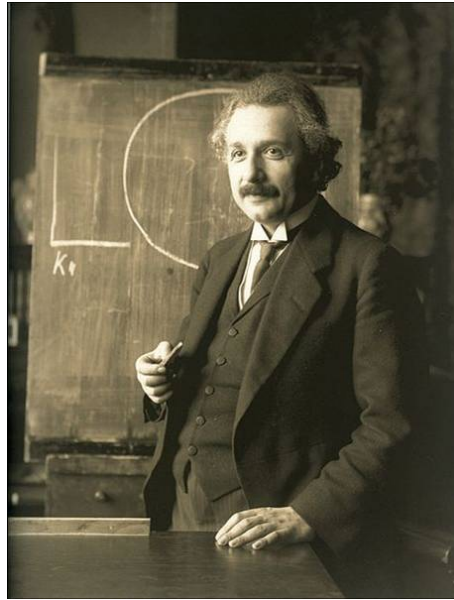This is our first inline equation $\alpha = 3.5$. $\lambda = \sqrt{\alpha}$.

2.2 Numbered equations

Test test

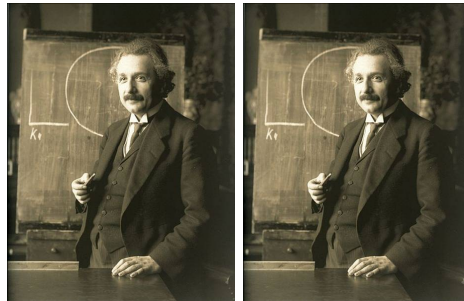$$m = \left(\frac{a \cdot b}{c} \right) \tag{1}$$

where a = 5

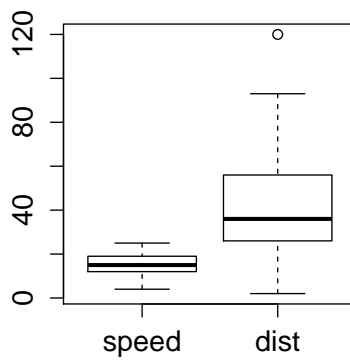$$\lambda = \int_{m_0}^{\infty} f(\Theta) d\Theta \tag{2}$$

Figure 1: This shows Einstein in his study

3 Labels and referencing

In LaTeX, everything can be labeled, and after that it can be referenced. Consider for example section **??**, where eq. **??** are defined. You can also see this in fig. **??**.

Figure 2: This shows Einstein in his study

Figure 3: This shows a boxplot

4 Including figures

5 Tables

5.1 Simple table

1	1
2	1

5.2 Proper table

6 References

Referenced are extremely important (see also **??**, for more references). However **?** note that this is not the case.

CASE	EXPLANATION	DIMENSIONS
Parameterization to virtual data, 3 PFTs:		
$V1$	Data: SDD, GRO, reduced parameters	$12, 96$
$V2$	Data: SDD, GRO, full parameters	$26, 96$
$V3$	Data: SDD, reduced parameters	$12, 48$
$V4$	Data: total SDD, reduced parameters	$12, 16$
$V5$	Data: BM, reduced parameters	$12, 3$
Parameterization to Ecuadorian field data, 7 PFTs:		
$E1$	Data: SSD	$18, 112$

Table 1: Table caption