

Hello world

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1 Introduction

Latex is a type setting system, you compile tex files into pdfs. This file has a few examples, it's easy to find anything else you need on google.

2 Background

References are done using a bib file. e.g. this [2], this [1] or this [3].

3 Figures and Tables

Tables can be very useful, see Figure 1.

4 Some maths

Math model makes type setting maths easy, e.g., $x = y^4$

$$E_0 = mc^2 \tag{1}$$

$$E = \frac{mc^2}{\sqrt{1 - \frac{v^2}{c^2}}} \tag{2}$$

Travel Method	Time	Cost	Ease
Bus	40mins	£2.40	3
Train	20mins	£3.40	2

Figure 1: Methods of travel to work

References

- [1] C. C. Bantin and J. Siu. Designing a secure data communications system for automatic train control. *Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit*, 255(4):395–402.
- [2] Karthikeyan Bhargavan and Gaëtan Leurent. On the Practical (In-) Security of 64-bit Block Ciphers: Collision Attacks on HTTP over TLS and OpenVPN. In *ACM Conference on Computer and Communications Security*. ACM, 2016.
- [3] Richard A. Brualdi. *Introductory Combinatorics (5th ed.)*. Prentice–Hall, 2010.