Tutorial 2a Exercise Paper

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1 Introduction

This is an introduction. The Summary will be given in Section 4

2 About Linux

Figure 1: Penguin symbolises Linux. Source [3]

Figure 1 shows a *penguin*. For more details, check the Linux webpage [1].

2.1 Linux flavours

Table 1 lists some Linux flavours [1].

Distribution	RedHat	Debian	SuSE
Fedora 20	X		

Table 1: Different flavours of Linux

[1] Only one is shown for simplicity

3 About Mathematics

In-line math in LaTeX is enclosed in $ symbols. Backslash \ is used to denote special symbols.

Subscripts and Superscribts are always math: A_x, A_{xy}, e^x and e^{x^2}. Using underscore _ outside math without \causes big_ troubles.

All special symbols are also math: α, β, γ, δ, $\sin x$, $\hbar$, λ, ... More information can be found in Ref. [2]

$$\chi^2 = \sum_i \left(\frac{F_i - D_i}{\sigma_i} \right)^2 \tag{1}$$

4 Summary

We learned the following:

- Linux is good
- LaTeX is good for:
  1. Structuring Documents
  2. Writing mathematical equations

We can also write unformatted text using `verbatim` environment, but sometimes we have to specify this in the preamble:

```
\usepackage{verbatim}
```

References

[1] Linux web site: `www.linux.com`

[2] Leslie Lamport, *LaTeX: A Document Preparation System*, second edition, Addison-Wesley (1994)

[3] Penguin Image: `http://images.mentalfloss.com/sites/default/files/istock-511366776.jpg?resize=1100x740`