

MNXB01 HW2a

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1 Introduction

This is introduction. The summary will be given in Section 2.

2 About Linux



Figure 1: Penguin symbolizes Linux

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

2.1 Linux flavours

Table 2.1 lists some Linux flavours ¹.

Distribution	RedHat	Debian	SuSE
Fedora 20	X		

Table 1: Different flavours of Linux

3 About mathematics

Subscripts and superscripts: A_x , A_{xy} , e^x and e^{x^2} . Using `_` outside math without `\` causes big_troubles.

Special symbols: α , β , γ , δ , $\sin x$, \hbar , λ , \dots . More information can be found in Ref. [2].

Equation 1 shows χ^2 .

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

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:

```
\usepackage{verbatim}
```

Very useful if you want to include code, for example from Matlab.

References

- [1] Linux web site: www.linux.com
- [2] Leslie Lamport, *LaTeX: A Document Preparation System*, second edition, Addison-Wesley (1994).

¹Only one is shown for simplicity