

Our first paper

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Contents

1	Commands in Latex	2
2	Markups in Latex	2
3	Modular Documents	2
4	Environments in Latex	2
4.1	Lists	2
5	Headings	3
5.1	Short Title	3
6	Packages	3
6.1	Figures	3
6.2	Tables	3
6.3	Math Mode	4
6.3.1	Equation	4
6.3.2	Listings	4
6.3.3	Examples	4

6.3.4	Physical Quantities	4
7	Citations	5

1 Commands in Latex

This is a *nice* article.
In which we force a new line.

2 Markups in Latex

It does not matter how many blanks we use.
This *is* a *nice* **article**.

3 Modular Documents

This is text from the sub article!

4 Environments in Latex

4.1 Lists

- Frist
- Second
- Third

Anführen sollte man auch noch:

1. Manche mögen die Grünen am liebsten,
2. manche die Gelben.
3. Ich mag am liebsten die Roten.
 - a) Sie glühen richtig rot,
 - b) und ihr Himbeergeschmack fährt wie Napalm über die Geschmacksknospen.

Das Schlagwort steht am Anfang einer Zeile und wird hervorgehoben, während der zugehörige

Text dahinter in normaler Schrift erscheint.

5 Headings

5.1 This a a very long title line

This won't be shown and does not get a number

6 Packages

We can use `colored text` now.

6.1 Figures

Figure 6.1 describes a hyperbola.

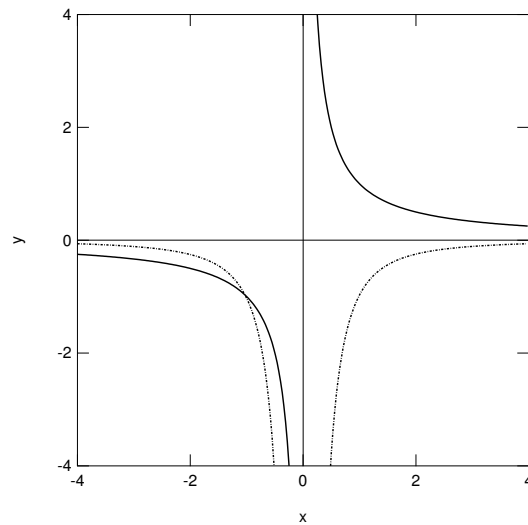


Figure 1: Die durchgezogene Linie ist eine Hyperbel, die strich-punktierte Linie ist die Ableitung einer Hyperbel.

6.2 Tables

Table 1: The table caption comes above the table

Spalte 1	Spalte 2	Spalte 3
AA	AB	AC
BA	BB	BC
CA	CB	CC

6.3 Math Mode

6.3.1 Equation

$$x = 2 \tag{1}$$

6.3.2 Listings

Listing 1: Wege in den Mathematikmodus

Mittels `\emph{equation}`–Umgebung:

```
\begin{equation}
```

```
a^2+b^2=c^2
```

```
\label{Pythagoras}
```

```
\end{equation}
```

Mittels einfachen Dollarklammern: `$a^2+b^2=c^2$`

Mittels doppelten Dollarklammern: `$$a^2+b^2=c^2$$`

$$a^2 + b^2 = c^2 \tag{2}$$

Mittels einfachen Dollarklammern: $a^2 + b^2 = c^2$

Mittels doppelten Dollarklammern:

$$a^2 + b^2 = c^2$$

6.3.3 Examples

$$x = 5 \cdot 2^{20} \cdot \frac{\Omega}{\omega}$$

$$\sum_{i=0}^n (X_i)$$

$$1^{2^3}$$

$$0 = \sin x + \ln x$$

$$\vec{V} = \hat{u}$$

6.3.4 Physical Quantities

$$l = 10\text{m}$$

$$k = 1.38 \cdot 10^{-23} \text{ J K}^{-1}$$

$$h = 6.626 \cdot 10^{-34} \text{ J s}$$

$$\varepsilon_0 = 8.854 \cdot 10^{-12} \frac{\text{A s}}{\text{V m}}$$

$$8000 \text{ kg}_{\text{Metall}} \text{ h}^{-1}$$

7 Citations

This is a *nice* article^[LSG07].

References

- [LSG07] LEMOLA, Sakari ; STADLMAYR, Werner ; GROB, Alexander: Maternal adjustment five months after birth: the impact of the subjective experience of childbirth and emotional support from the partner. In: *Journal of reproductive and infant psychology* 25 (2007), Nr. 3, S. 190–202