

**Subject**

**Title**

**Subtitle**

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~~01.10.2020~~  
October 29, 2020

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## **Versicherung**

über selbstständiges Erarbeiten dieses Berichtes

Hiermit bestätigen wir, dass wir die folgende Arbeit unter Berücksichtigung der zur Verfügung gestellten Aufgabenstellung sowie dem Arbeitsmaterial unter Angabe aller verwendeten Quellen selbstständig erarbeitet haben.

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Max Mustermann

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Mira Musterfrau

## Abstract

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# 1 Examples

red text and blue text  
different subscripts:  $R_t$   $R_t$   
using Units:  $R = 200\text{ m}\Omega + 345.675\times 10^{-3}\text{ V/m} - 5\text{ s/m}^2$   
some information[Phy20]  
german number: 3,5 english number: 3.5



Fig. 1.1: just a random image

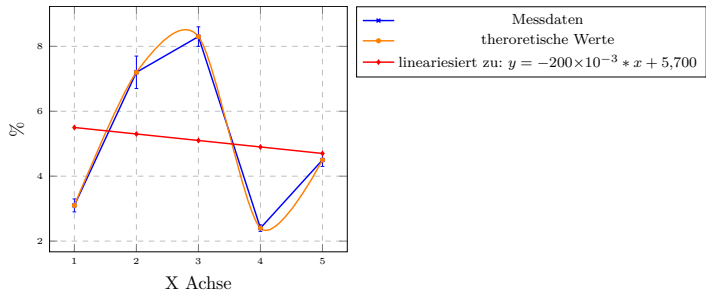


Fig. 1.2: a nice plot

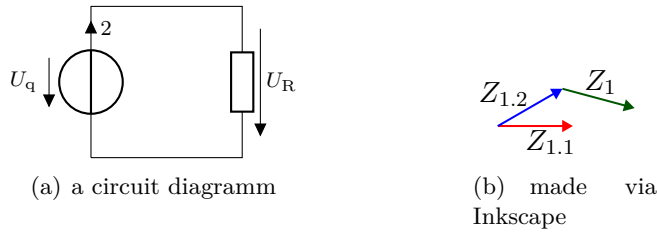


Fig. 1.3: using two figures

## 1.1 demo nested listing

- hallo
  - temp
    - temp
      - temp

## 1.2 Using formulas

a numberd formula:

$$0,5 = \frac{1}{3} \quad (1.1)$$

Equation 1.1 is nice, but how about multiple lines:

$$\begin{aligned} x &= x^2 + 3 \\ \Leftrightarrow 0 &= x^2 - x + 3 \end{aligned} \quad (1.2)$$

and how could you align formulas?

$$x_1 = 6 \quad | \text{ mit } x \in \mathbb{N} \quad (1.3)$$

$$x_2 = 33 + \left| \frac{1}{4} \right| \quad | x_1 + 3 \quad (1.4)$$

$$= 33,25 \quad | \text{ don't number everything}$$

$$x_3 = 10^{22} \quad (1.5)$$

## 1.3 formating code

use the listings package:

```
#include <stdlib.h>
#include <sdtio.h>

int main(void) {
    printf("Hello World");
    return 0;
}
```

## 1.4 CSV files

import a csv as table:

A	B	C	D
1	0	3,1	0,2
2	0	7,2	0,5
3	0	8,3	0,3
4	0	2,4	0,1
5	0	4,5	0,2

or do it manually to get more controll:

Tab. 1.1: a nice list of numbers

first row	second row
number: 1 m	is not 3,1
number: 2 m	is not 7,2
number: 3 m	is not 8,3
number: 4 m	is not 2,4
number: 5 m	is not 4,5

## 2 attachment

Messprotokoll oder so



## Bibliography

[Phy20] Fachschaft Physik. *Laboranleitung für das Physiklabor*. GER. Mar. 1, 2020.

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