

V64

Interferometry

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Durchführung: 13.11.2023

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Contents

| | |
|------------------------------|----------|
| 1. Theorie | 3 |
| 2. Durchführung | 3 |
| 3. Auswertung | 3 |
| 4. Diskussion | 5 |
| References | 5 |
| A. Anhang | 6 |
| A.1. Originaldaten | 6 |

1. Theorie

[1]

2. Durchführung

3. Auswertung

Table 1: Measurements of the polarisation angle dependence of the contrast K .

| $\phi / ^\circ$ | $I_{\min 1} / \text{V}$ | $I_{\max 1} / \text{V}$ | $I_{\min 2} / \text{V}$ | $I_{\max 2} / \text{V}$ | $I_{\min 3} / \text{V}$ | $I_{\max 3} / \text{V}$ |
|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 0 | 1.60 | 1.75 | 1.57 | 1.77 | 1.63 | 1.78 |
| 15 | 0.97 | 1.57 | 0.94 | 1.49 | 0.95 | 1.54 |
| 30 | 0.51 | 1.28 | 0.52 | 1.27 | 0.53 | 1.30 |
| 45 | 0.39 | 1.31 | 0.40 | 1.34 | 0.40 | 1.36 |
| 60 | 0.53 | 1.74 | 0.54 | 1.78 | 0.53 | 1.76 |
| 75 | 0.96 | 2.23 | 0.97 | 2.13 | 0.98 | 2.21 |
| 90 | 1.87 | 2.05 | 1.97 | 2.41 | 2.01 | 2.24 |
| 105 | 1.81 | 3.10 | 1.78 | 3.22 | 1.84 | 3.53 |
| 120 | 1.31 | 4.30 | 1.35 | 4.23 | 1.41 | 4.47 |
| 135 | 1.15 | 5.06 | 1.23 | 4.78 | 1.21 | 5.05 |
| 150 | 1.39 | 4.44 | 1.44 | 4.32 | 1.47 | 4.54 |
| 165 | 1.65 | 3.16 | 1.69 | 3.19 | 1.73 | 3.33 |
| 180 | 1.66 | 1.87 | 1.64 | 1.82 | 1.80 | 2.01 |

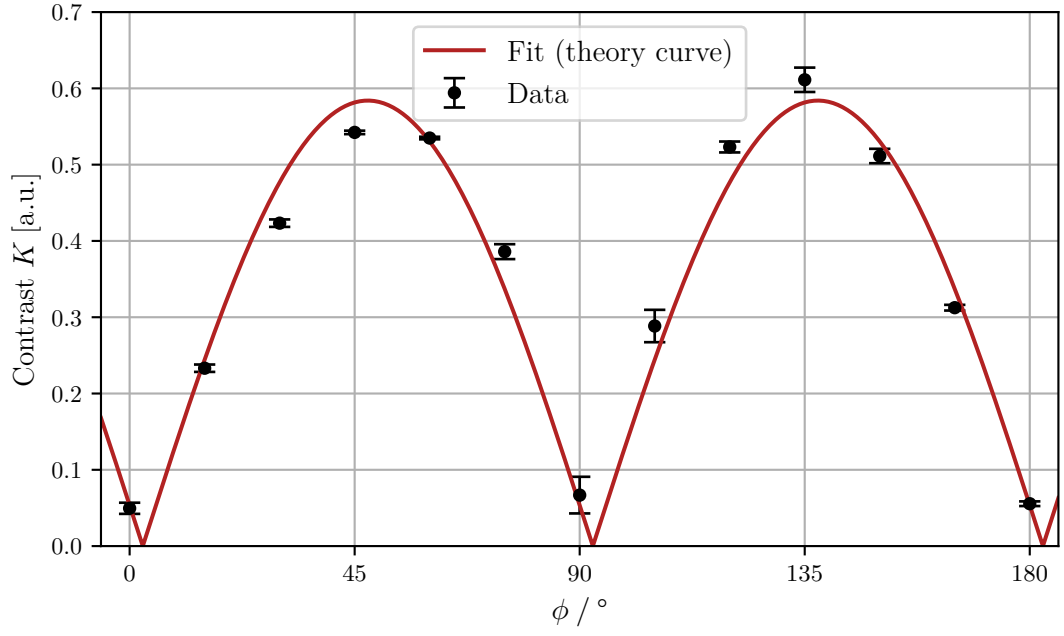


Figure 1: Plot.

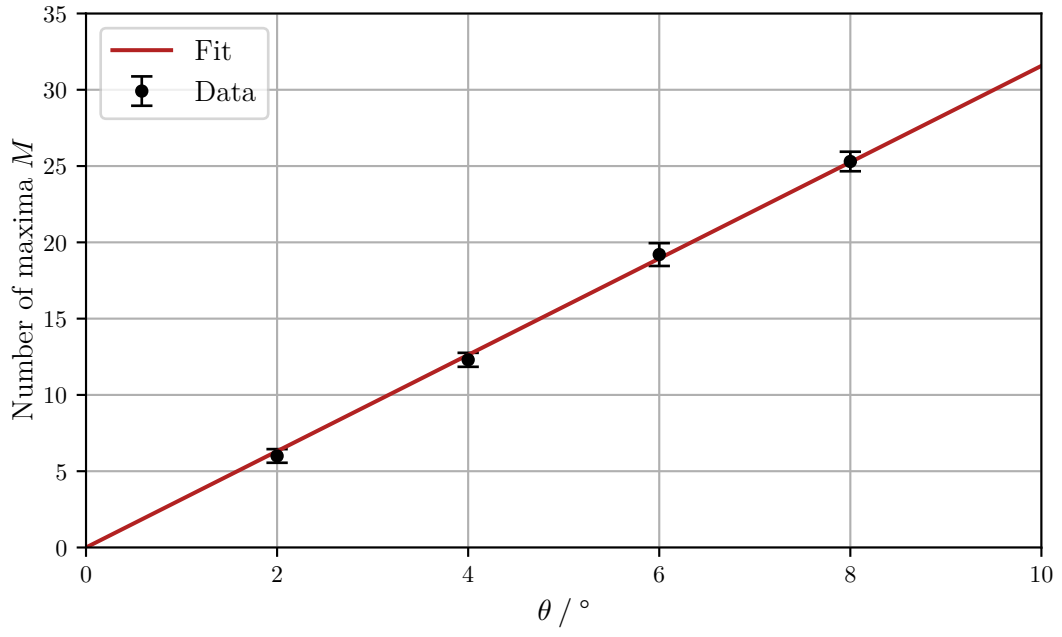


Figure 2: Plot.

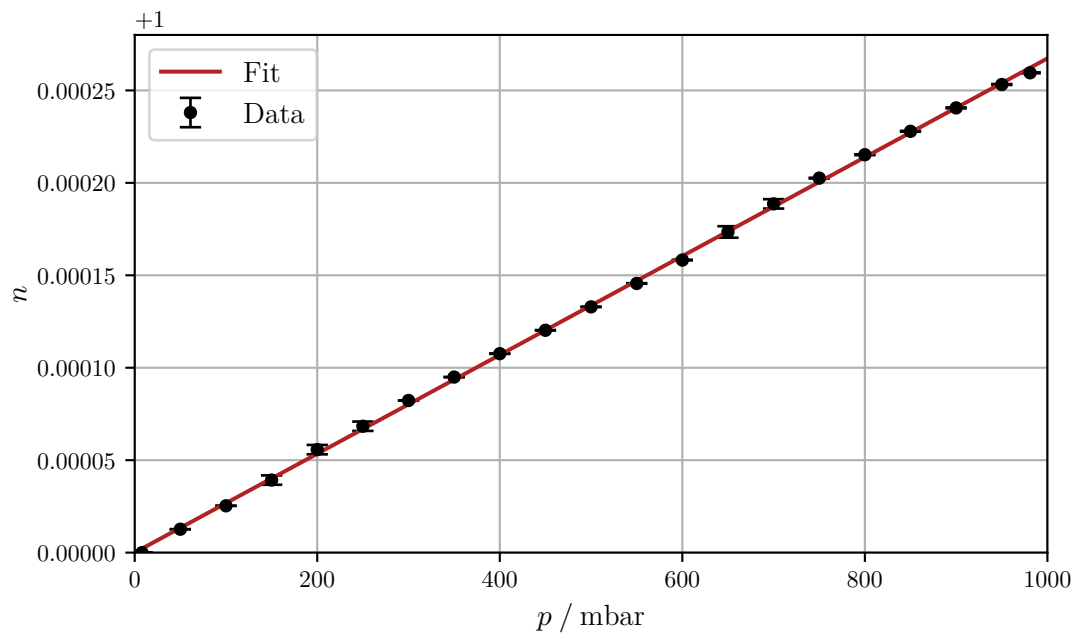


Figure 3: Plot.

4. Diskussion

References

- [1] *Versuch zum Literaturverzeichnis*. TU Dortmund, Fakultät Physik. 2022.

A. Anhang

A.1. Originaldaten

