minimalthesis
Minimal-Working-Example (v0.0.2-alpha-1)

Dissertation
To obtain the Academic Degree
“Philosophical Doctor (PhD)”

handed in by

Max Mustermann
born in Munich

University of Beteigeuze, Institute for Experimental Physics, Nanolab
University of Jupiter, Institute for Chemistry, Synthesis Lab

November 14, 2023

Examination Committee:

Chairman:	Prof. Habakuk Tibatong
1. Reviewer:	Prof. Hans Bartolomä
2. Reviewer:	Prof. Louis Murphy
Additional Examiner:	Prof. Stefan Boltzmann

Contents

1 Tests 5
1.1 Citations . . . 5
1.2 Floats . . . 5
1.3 Science . . . 6
1.3.1 Mathematics . . . 6
1.3.2 Chemistry . . . 6

Bibliography 7

1 Tests

1.1 Citations

`minimalthesis` provides the `@arxiv` [1] and `@thesis` [2] bibliography drivers, so that Arxiv preprints and theses can be cited properly without any manual adjustments by the user.

1.2 Floats

Figure 1.1: Inclusion of the minimalthesis logo, to check the functionality of float environments.

1.3 Science

1.3.1 Mathematics

Examples for equations with many derivatives and integrals.

$$c\frac{\partial f}{\partial x}, \quad \frac{\mathrm{d}Q}{\mathrm{d}t} = \frac{\mathrm{d}s}{\mathrm{d}t}, \quad \frac{\partial^2 f}{\partial x\,\partial y}, \quad \frac{\mathrm{d}y}{\mathrm{d}x}, \quad \frac{\mathrm{d}^n y}{\mathrm{d}x^n}, \quad \frac{\mathrm{d}}{\mathrm{d}x}\frac{\mathrm{d}y}{\mathrm{d}x}, \quad \frac{\partial^{kn+2a+c-b} f}{\partial x^{c+kn}\,\partial y^{-b+2a}}$$

And a simple integral.

$$T = \int_0^\infty t\,\mathrm{d}t\,, \quad V = \int_a^b r\,\mathrm{d}^3 r = \int_a^b r\,\mathrm{d}x\,\mathrm{d}y\,\mathrm{d}z$$

1.3.2 Chemistry

$\mathrm{Fe^{II}Fe^{III}_2O_4}$
$\mathrm{CO_2 + C \longrightarrow 2\,CO}$

Bibliography

[1] H. Bartolomä, L. Murphy: *An Citation Example for Publications on Arxiv*, submitted to Journal XYZ preliminary version published on arXiv, 2023, arXiv: `XXXX.YYYYY`.

[2] J. Doe: *minimalthesis – The Title and a very lengthy Subtitle of the Thesis*, PhD Thesis, University XYZ, 2023.