Physik Laborbericht Dokumentation

first[1] and second[2]

[1] *Author's institution*
[2] *Another Author's institution*

27. Juli 2023

Zusammenfassung

The presented LaTeX preamble/template is tailored for writing physics lab reports, featuring specialized tcolorboxes for clarity and emphasis. These include "Forschungsfrage" for defining the research question, "Aufgabe" for guiding tasks, and nested "Mainbox" for crucial content. The template allows seamless citing and showcases potential for becoming a comprehensive package. Its organization and visual appeal offer promising prospects for enhancing physics report writing.

This is ideally becoming a package or class later, but for now a preamble will do.

The preamble is optimized to write physic lab reports, additions with it are useful/needed packages. Another addition are the following tcolorboxes:

1 tcolorboxes

Forschungsfrage

ff, for Forschungsfrage, black colframe to stand out, use this only once to define the reasearch question.

Aufgabe

aufgabe, to define the questions given in the tasksheet, these are to be removed later, just to guide while writing, thus they were made red.

Mainbox

mainbox, this is for important things, maybe something like the following:

Erkenntnis

Daraus ergibt sich

$$F_{el} \propto \frac{1}{r^2}.$$

subbox

subbux, for less important things, that are still highlight worthy.

subsubbox, to highlight something, but without title.

here are the boxes nested

Here you

can see

a lot of

nested

boxes

2 Citing

One cites as usual, e.g. "The TeXbook" [1] There is no addition yet, it already makes very much sense.

Literatur

[1] Donald Ervin Knuth und Duane Bibby. *The texbook*. Bd. 1993. Addison-Wesley Reading, MA, 1986.