tumblau



**Title of the master thesis in German**

**Title of the master thesis in English**

First Name Last Name

Thesis for obtaining the degree of

Master of Science (M.Sc.) at the

Technical University of Munich

**Title of the master thesis German**

**Title of the master thesis in English**

Advisor: Prof. Dr.-Ing. Roberto Cudmani,

Ordinarius for Soil Mechanics and Foundation Engineering, Rock Mechanics and Tunnel Construction

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# Brief summary

- around ½ Page Text (min. 10 lines), German language

An abstract is a concise summary, an outline without interpretation and evaluation of a scientific work. In DIN 1426, the abstract is described as a short presentation (also used as a synonym) for the summary. The definition of the American National Standards Institute (ANSI) is as follows: „An abstract is defined as an abbreviated accurate representation of the contents of a document.”

General Characteristics:

Objectivity: It should abstain from any personal evaluation.

Brief: It should be as short as possible.

Comprehensibility: It should have a clear, comprehensible language and structure.

Completeness: All essential facts should be included.

Accuracy: It should reflect exactly the contents and the opinion of the original work.

# Abstract

around ½ page Text (min. 10 Lines), English Language

# Introduction

An elasto visco-plastic model for the simulation of one-dimensional deformation based on a clear relationship between stress, strain and viscous strain rate dependent on the stress history was developed by Den Haan (1996) [So-called KAPITÄLCHEN, ctrl + shift+ W].

# Aim of the study

Table 2.1: Table heading

|  |  |  |  |
| --- | --- | --- | --- |
| Column/Line 1 | Column 2 | Column 3 | Column 4 |
| Line 2 |  |  |  |
| Line 3 |  |  |  |

# Experiment

cf. experimental investigations by Berre and Iversen 1972



Figure 3.1: Caption

# Modelling

Another explanation of soil viscosity at the molecular level is provided by the Rate Process Theory (RPT) (Glasstone et al., 1941).

|  |  |
| --- | --- |
|  | (4‑1) |

According to equation (4‑1) […].

# Summary

The starting position, intentions, objectives, thematic delimitation, (hypo-)theses of the document must be briefly stated.

The same applies to the results and conclusions, where assumptions and facts must be clearly separated.

The reference to other works should be bibliographically cited if they are an important part (does not apply to abstracts of scientific articles).

The research methods and techniques, as well as the approaches, should be identified, but only as necessary as required for understanding.

**Bibliography**

Berre, T.; Iversen, K., (1972): Oedometer Tests with Different Specimen Heights on a Clay Exhibiting Large Secondary Compression; Geotechnique, Jahrgang 22, Heft 1, Seite 53 - 70

Glasstone, S.; Laidler, K., J.; Eyering, H., (1941): The Theory of Rate Processes; Edition 1, McGraw-Hill, New York, Seite 611

Haan, E., J., den, (2008): A Compression Model for Non-brittle Soft Clays and Peat; Geotechnique, Jahrgang 46, Heft 1, Seite 1 - 16

Kolymbas, D., (1988): Eine konstitutive Theorie für Böden und andere körnige Stoffe; Veröffentlichungen des Institutes für Bodenmechanik und Felsmechanik der Universität Fridericiana in Karlsruhe, Heft 109

**Statement**

I hereby declare that I have written my master thesis independently and that I have not used any other sources and aids than those indicated.

Munich, date of submission