

Science of Computational Logic – Introduction

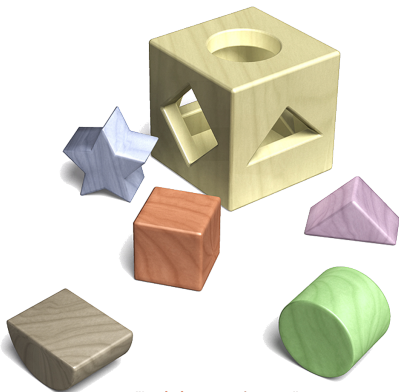
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- ▶ **Overview**
- ▶ **Content**
- ▶ **Literature**



"Logic is everywhere ..."



Overview



Content of Lecture

- ▶ **Description Logics**
- ▶ **Equational Logic**
- ▶ **Actions and Causality**
- ▶ **Deduction, Abduction, and Induction**
- ▶ **Non-Monotonic Reasoning**
- ▶ **Machine Learning**



Literature

- ▶ **A manuscript is available**
- ▶ **In each chapter relevant secondary literature is specified.**
- ▶ **I expect you to study secondary literature.**
- ▶ **A web page for the literature will be generated.**

