

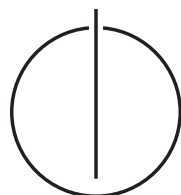
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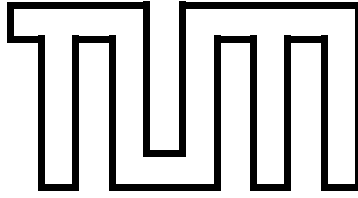
DER TECHNISCHEN UNIVERSITÄT MÜNCHEN

Master's Thesis in Informatics

Adding C++ support to MBEDDR project

Zaur Molotnikov





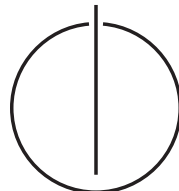
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Adding C++ support to MBEDDR project

Author:	Zaur Molotnikov
Supervisor:	Dr. Bernhard Schtz
Advisor:	Dr. Daniel Ratiu
Submission Date:	15. September 2013



I assure the single handed composition of this master's thesis only supported by declared resources.

Garching, 15. September 2013

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Zaur Molotnikov

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## **Abstract**

My abstract goes here...

# 1 Introduction

My introduction goes here

# 2 Structure

Structure, now as a list

1. Problem description
  - (a) DSLs and Projectional Editing
  - (b) MBEDDR Project
  - (c) C++ Support in MBEDDR (motivation)
  - (d) Related Work
2. C++ Implementation
  - (a) Differences between C and C++
    - i. Reference Type and Boolean Type
    - ii. Modules Support
    - iii. Object Oriented Approach Support
  - (b) Classes and Member Access Control
    - i. Access Control in Class
    - ii. Inheritance and Access Control
    - iii. Friends
  - (c) Namespaces
    - i. Namespace Resolution Operation
    - ii. Member Search Strategy
    - iii. Reenterability
  - (d) Operator Overloading
    - i. Extension of Type System
    - ii. ... More here ...
  - (e) Templates
    - i. Textual Nature of Templates in C++
    - ii. Concepts
3. Conclusion