Vienna University of Technology

184.726 Advanced Multiprocessor Programming

TU Wien Informatics

Programming Project

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Contents

To Do's

- either make framework work or create new framework

- analyze locks in lecture slides and in paper:

-    – Test-and-Set Lock
  - Test-and-Test-and-Set Lock
  - Ticket Lock
  - Array Lock
  - CLH Lock
  - MCS Lock
  - Hemlock (from paper..)

- in the lectureslides from the project it says:

-    – Benchmark the following two under various scenarious, meaning low/high contention
  - Benchmark Throughput (probably locks-unlocks performed per time)
  - Benchmark Latency
  - Benchmark for fairness, we have to think of some number to measure fairness, maybe locks/unlocks achieved per thread

1   Introduction

2   Generic Chapter Title 2

Here we will see the text from Iris and of the Manul. This should compile on its own now.

3   Generic Chapter Title 3