

PAP LABORATORY ASSIGNMENT

Course 2018/19 (Spring semester)

Lab 1: OpenMP parallelisation of Eratosthenes Sieve

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February 15, 2019

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1 Introduction

In this laboratory assignment we will be taking a look at OpenMP parallelization of the Erathosthenes Sieve algorithm. The program computes the prime numbers in an interval from 2 to a given treshhold.

Firt of all we will look at two common OpenMP parallelization schemes, a task based model, and a workashirng constructs model.