

# Report

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March 31, 2015

## Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Background . . . . .	1
1.2	Aim . . . . .	1
<b>2</b>	<b>Performance</b>	<b>1</b>
2.1	Measurements . . . . .	1
2.2	Profiling . . . . .	1
<b>3</b>	<b>Results</b>	<b>1</b>
3.1	Baseline measurements . . . . .	1
3.1.1	R-side . . . . .	1
3.2	Simple approach with OpenMP . . . . .	2

## Abstract

### 1 Introduction

#### 1.1 Background

#### 1.2 Aim

### 2 Performance

From assignment: Prioritize measurements and analysis/interpretation!  
Demonstrate use of tools (profiling, ...) , and simple performance model.

#### 2.1 Measurements

#### 2.2 Profiling

### 3 Results

#### 3.1 Baseline measurements

##### 3.1.1 R-side

To motivate the need and choice to go parallel Figure 2) shows the processes from the R-side where ".Call" is the part which is implemented in C++ and which can be run in parallel.

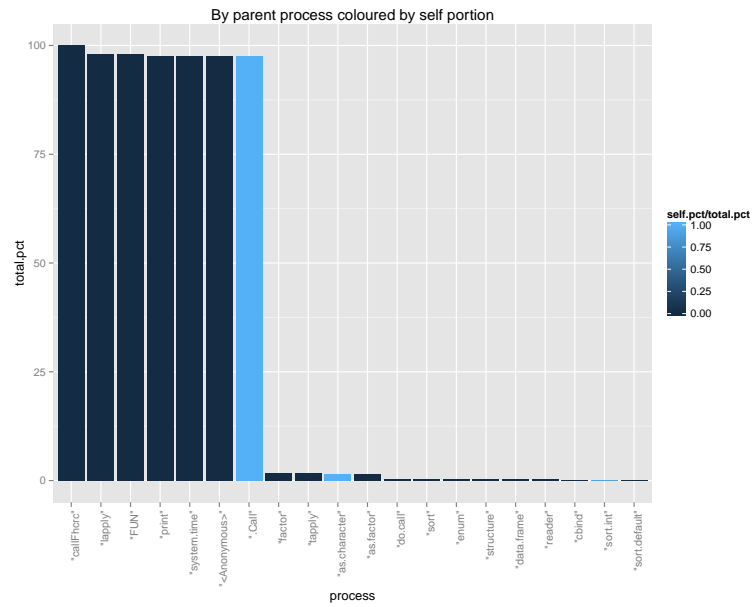


Figure 1: Performance testing on the R side, where the ".Call" is the C++-code which can be run in parallel.

### 3.2 Simple approach with OpenMP

