

GPU Simplex

Programming Massively Parallel Hardware - Project

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1 Introduction

Why is it interesting

2 Preliminary

2.1 Simplex

2.2 Futhark

3 Implementation

3.1 Parallel on Multiple Instances

3.2 Parallel Simplex on Single Instance

3.3 Parallel Simplex on Multiple Instances

4 Benchmarks

4.1 One big instance

4.2 Many small instances

4.3 Many big instances

5 Conclusion