

Contents

1	<i>Introduction</i>	3
1.1	<i>Historical Overview</i>	3
2	<i>Implementation</i>	5
2.1	<i>The CUDA Model</i>	5
2.2	<i>A Lattice Boltzmann Solver</i>	5
	<i>Appendix</i>	7
	<i>The Mathematical Background</i>	7
	<i>Proofs</i>	7

1

Introduction

1.1 Historical Overview

2

Implementation

2.1 The CUDA Model

2.2 A Lattice Boltzmann Solver

Appendix

The Mathematical Background

Proofs