

Vrije Universiteit Amsterdam



Universiteit van Amsterdam



Master Thesis

GPU energy efficiency

An analysis of energy consumption, usage patterns and energy saving strategies

Author:

Quincy Bakker

q.bakker@students.uva.nl

q.bakker@student.vu.nl

| | |
|--------------------------|----------------------|
| <i>1st supervisor:</i> | Ana Lucia Varbanescu |
| <i>daily supervisor:</i> | Sagar Dolas (SURF) |
| <i>2nd reader:</i> | N/A |

*A thesis submitted in fulfillment of the requirements for
the joint UvA-VU Master of Science degree in Computer Science*

July 16, 2020

“I am the master of my fate, I am the captain of my soul”
from Invictus, by William Ernest Henley

Abstract

Here goes the abstract of this thesis.

To ...

Acknowledgements

TODO Graphics Processing Unit (GPU)

Contents

| | |
|----------------------------------|-----------|
| List of Figures | iv |
| List of Tables | v |
| 1 Introduction | 1 |
| 1.1 Context | 1 |
| 1.2 Objective | 1 |
| 1.3 Research Question | 1 |
| 1.4 Research Method | 1 |
| 2 Materials & Methods | 2 |
| 3 Analysis & Results | 3 |
| 4 Discussions | 4 |
| 5 Conclusion | 5 |
| References | 7 |
| 6 Declaration | 8 |

List of Figures

List of Tables

Acronyms

GPU Graphics Processing Unit. i, ii

1

Introduction

1.1 Context

TODO

1.2 Objective

TODO

1.3 Research Question

TODO

1.4 Research Method

TODO

2

Materials & Methods

TODO

3

Analysis & Results

TODO

4

Discussions

TODO

5

Conclusion

TODO

Appendix

TODO

References

6

Declaration

TODO