Vrije Universiteit Amsterdam

Universiteit van Amsterdam

Master Thesis

GPU energy efficiency

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

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"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

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Introduction

1.1 Context

TODO

1.2 Objective

TODO

1.3 Research Question

TODO

1.4 Research Method

This section describes the research method that was used.

1.4.1 Literature Study

In this section we first provide a description of the process by which literature was collected for the purpose of this study to ensure its replicability.

1.4.1.1 Search

TODO

Snowballing To gather more relevant literature the snowballing technique was used, which is the process of gathering additional literature from the references of a paper.

Application of Selection Criteria TODO

1.4.1.2 Data Extraction

TODO

1.4.1.3 Data Synthesis

TODO

2

Background

This chapter outlines some of the research that is relevant to the topic of Graphics Processing Unit (GPU) energy conservation.

2.1 Measuring Energy Consumption

TODO

2.1.1 Statistical Analysis

TODO

2.2 Usage Patterns

TODO

2.3 Energy Saving Strategies

TODO

2.3.1 DVFS

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Usage Patterns

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Energy Saving Strategies

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Dynamic Energy Saving

TODO

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Conclusion

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Appendix A

TODO

References

Statement of Originality

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I declare that the text and the work presented in this document are original and that no sources other than those mentioned in the text and its references have been used in creating it.

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