

Universität Hamburg
Department Informatik
Knowledge Technology, WTM

Multi-objective analysis of computational models - indepth analysis

Seminar Paper

Knowledge Processing

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Abstract

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1 Introduction

The studied paper: [?]

What research question is examined in the paper?

What is the solution suggested by the paper?

My research question for the in-depth analysis: Is this framework applicable to all kinds of computational methods? What conditions must be met by the computational method?

2 Background Information

Evolutionary algorithms

[?]

Multi-objective optimization

[?]

[?]

3 Model description

The framework

- How does it use Multi-objective optimization and evolutionary algorithms?
- Why does it solve the problem?
- What are the steps of application?

4 Model analysis

Results of the presented experiments

- Were the results expected?
- Positive or negative outcomes?

Usability of the model

- Effort and benefits of using it

Applicability (research question)

- What assumptions and constraints are made on the computational model?
- What are fields of application for the framework? (Is it everywhere applicable?)

5 Conclusion

How reasonable is the Approach of the paper?

Where is it applicable?