

Julius-Maximilians-Universität Würzburg
Institut für Informatik
Lehrstuhl für Informatik IV
Theoretische Informatik

Bachelor Thesis

simulation of proof systems

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1 Introduction

Welcome to my bachelor's thesis. Based upon work of Messner (1999).

2 Preliminaries

Let x be something.

Definition 1 (Proof system). *A function $f \in \mathcal{FP}$ is called proof system for a language L if the range of f is L .*

3 A set in $\text{co-NEXP} \setminus \text{OPT}$

Theorem 1 (true statement). *This is a true statement.*

Proof. Without loss of generality this is clearly true. □

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Theorem 2 (true statement). *This is a true statement.*

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Lemma 3. *Some lemma to proof the next result.*

4 Conclusion and future work

What a great work!

Hiermit versichere ich, dass ich die vorliegende Arbeit selbständig verfasst und keine anderen Hilfsmittel und Quellen als die angegebenen benutzt habe. Weiterhin versichere ich, die Arbeit weder bisher noch gleichzeitig einer anderen Prüfungsbehörde vorgelegt zu haben.

Würzburg, den _____, _____
(Nils Wisiol)

Bibliography

Messner, J. (1999). On optimal algorithms and optimal proof systems. In *Proceedings of the 16th annual conference on Theoretical aspects of computer science*, STACS'99, pages 541–550, Berlin, Heidelberg. Springer-Verlag.