

Prague, February 25, 2021

Supervisor's statement on the Dissertation thesis "Enumeration of Factors in Special Languages" by Josef Rukavička

The dissertation thesis of Josef Rukavička, entitled Enumeration of Factors in Special Languages, is a collection of 9 published articles, authored solely by Josef Rukavička during his PhD study. 7 articles are already published in peer-reviewed international venues such as Information Processing Letters or conference series Lecture Notes in Computer Science. 2 articles are currently submitted and published as preprints. The articles are accompanied by an introductory text giving a good overview of the research context and the presented results.

The work of Josef Rukavička focuses on the study of languages such as languages of rich words, closed words, privileged words, α -power free languages and context free languages. His results mostly tackle specific open questions in the area or simply bring new interesting results. Josef was able to push the boundaries in each of his result. Many of these results are also based on an original Josef's idea on how to tackle the given problem, which is an additional value I see in them.

There is no doubt that this work proves that Josef is able to come up with an original solution, and more importantly to finish the whole process of a scientific publication. He was a very self-reliant student, and most of the guidance he needed was in the non-scientific part of his studies. My only wish is that Josef would put more emphasis on the presentation of his inventive results. My final remark on the work done is that Josef is in the part-time form of the study, having a full-time job and doing research in his free time as an enthusiast.

I conclude that his dissertation thesis satisfies the requirements and I recommend its acceptance.



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