



FACULTY
OF MATHEMATICS
AND PHYSICS
Charles University

Report on defence of dissertation thesis

Academic year: 2023/2024

Student's name and surname: Mgr. Matej Moravčík
Student's ID: 70069768

Type of the study programme: doctoral
Study programme: Computer Science - Theory of Computing, Discrete Models and Optimization

Study ID: 455212

Title of the thesis: Bridging the Gap: Towards Unified Approach to Perfect and Imperfect Information Games
Thesis department: Department of Applied Mathematics (202. • 32-KAM)
Language of the thesis: English
Language of defence: English
Supervisor: prof. Mgr. Milan Hladík, Ph.D.
Reviewer(s): prof. Patrick Pilarski
doc. Ing. Tomáš Kroupa, Ph.D.

Date of defence: 12.03.2024 **Venue of defence:** Praha
Attempt: regular

Course of defence: The defense committee chair welcomed the audience, confirmed that the defense was properly announced in line with the university regulations and that the student has fulfilled all requirements of his PhD. study to be eligible for the defense of the PhD. thesis. He then introduced the student, pointing out the highlights of his CV such as two papers in Science and contribution to DeepStack, the first program to beat professional poker players. The advisor of the student (prof. Hladík) further referred on the course of the study and summarized his thesis report. The student then presented the main results of his thesis and placed them in the broader context of historic and modern algorithmic game theory. Afterwards, the opponent doc. Kroupa summarized his report and asked questions concerning the relevance to polymatrix games and future research directions. The other opponent, prof. Pilarski, was not able to attend the defense; the chair read from his report, including a question concerning applications of the methods in other areas such as economics, public safety, etc. The student answered all questions comprehensively and to doc. Kroupa's satisfaction. In general discussion, the student answered questions concerning multiplayer games and his further research. In reaction to the chair's question, he also clarified his contribution to the multi-author papers on which the thesis was based.

Result of defence:	pass (P)	
Chair of the board:	prof. Mgr. Zdeněk Dvořák, Ph.D.
Committee members:	doc. Mgr. Jan Hubička, Ph.D.
	prof. RNDr. Martin Loebel, CSc.
	doc. RNDr. Martin Tancer, Ph.D.
	doc. RNDr. Tomáš Valla, Ph.D.