



FACULTY  
OF MATHEMATICS  
AND PHYSICS  
Charles University

## Report on defence of dissertation thesis

Academic year: 2023/2024

**Student's name and surname:** Asmae Ben Yassine

**Student's ID:** 32094823

**Type of the study programme:** doctoral

**Study programme:** Algebra, number theory, and mathematical logic

**Study ID:** 628609

**Title of the thesis:** Flat Relative Mittag-Leffler Modules and Approximations

**Thesis department:** Department of Algebra (301. • 32-KA)

**Language of the thesis:** English

**Language of defence:** English

**Supervisor:** prof. RNDr. Jan Trlifaj, CSc., DSc.

**Reviewer(s):** prof. Manuel Cortés Izurdiaga

Dolors Herbera Espinal

**Date of defence:** 21.03.2024    **Venue of defence:** Praha

**Attempt:** regular

**Course of defence:** The defense started on time with the candidate, her supervisor and the whole committee present (J.Stovicek via zoom). Also one of the reviewers (Manuel Cortes Inzurdiaga) was present via zoom. The chairman welcomed all present and introduced the candidate, her study program and the thesis topic.

Then the chairman declared that all conditions required for the defense to take place were met and no comments from members of public were submitted. He briefly outlined the cv of the candidate and presented her list of publications.

Next the supervisor gave his view of the candidate and her work and the candidate presented main results from her thesis. The chairman introduced both reviewers and the one present presented high points of his report. The chairman then read the report of the second reviewer (Dolors Herbera Espinal). Neither report stated any questions for the candidate.

In a subsequent general discussion various questions related to the results of the thesis and its methods were raised and, in particular, the necessity of set-theoretic assumptions used. The candidate lucidly answered all of them.

During the confidential part of the defense the committee members expressed their satisfaction with the thesis as well as with the candidate's performance. After the voting the chairman announced the result and declared that the committee confers on the candidate the Ph.D. title. The defense ended in approximately one hour.

**Result of defence:** pass (P)

**Chair of the board:** prof. RNDr. Jan Krajíček, DrSc. ....

**Committee members:** doc. RNDr. Jan Šťovíček, Ph.D. ....

RNDr. Michal Hrbek, Ph.D. ....

Chris Lambie-Hanson ....

doc. Mgr. Jan Šároch, Ph.D. ....