



Mohammad Mahdi Ghabries

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Education

Bachelor of Science in Computer Science Oct 2023 - Present

Lebanese University Faculty of Science, Beirut

Completed all second year courses including imperative programming II, Data Structures and OOP. In addition to exams, several labs were taken

PhD in Mathematics Oct 2019 - May 2022

Joint Degree Program between Lebanese University and Angers University

- Completed seven doctoral-level courses in pure and applied mathematics, physics and computer science
- Thesis title : "Contributions to Matrix Inequalities and Some Applications"
- Awarded "very honorable" classification

Erasmus scholarship program Sep 2021 - Feb 2022

University of Santiago de Compostela, Spain

Carried on the PhD studies in Mathematics

Research Master in Algebra and Discrete Mathematics Oct 2017 - Sep 2018

Lebanese University Faculty of Science, Beirut

- Thesis Title : "Determinantal Inequalities for Matrices"
- Avg: 70.70/100

Rank: 2/9

First year of Master in Mathematics Oct 2016 - Sep 2017

Lebanese University Faculty of Science, Beirut

Avg: 61.80/100

Bachelor of Science in Mathematics Oct 2013 - Sep 2016

Lebanese University Faculty of Science, Beirut

Avg: 66.48/100

Publications

1. M.M. Ghabries, H. Abbas, B. Mourad, On some open questions concerning determinantal inequalities, **Linear Algebra and its Applications**. 596 (2020) 169 - 183
2. M.M. Ghabries, H. Abbas, B. Mourad, A. Assi, A proof of a conjectured determinantal inequality, **Linear Algebra and its Applications**. 605 (2020) 21 - 28
3. H. Abbas, M.M. Ghabries, More results related to geometric mean and singular values for matrices, **Linear and Multilinear Algebra** 70 (5) (2022) 878 - 887
4. M.M. Ghabries, H. Abbas, B. Mourad, A. Assi, New log-majorization results concerning eigenvalues and singular values and a complement of a norm inequality, **Linear and Multilinear Algebra**, published online: 05 April 2022
5. H. Abbas, M.M. Ghabries, B. Mourad, New determinantal inequalities

Personal details

Date of birth

June 23, 1995

Place of birth

Abbasia

Gender

Male

Nationality

Lebanese

Civil status

single

Languages

Arabic



English



Spanish



Tech skills

Visual Studio, Eclipse, PowerDesigner and Microsoft SQL Server, Pycharm



Latex



Maple and MATLAB



C Programming language



HTML, CSS and JavaScript



Java, Python



concerning Hermitian and positive semi-definite matrices, **Operators and Matrices** 15 (1) (2021) 105 - 116

6. H. Abbas, M.M. Ghabries, Some Generalizations and Complements of Determinantal Inequalities, **Mathematical Inequalities and Applications**. 23, 1 (2020), 169 - 176

Teaching Experience

Teaching Assistant Nov 2020 - Present
Lebanese University, Beirut

- Served as an academic advisor to three Master's degree students at Lebanese University and University of Santiago de Compostela
- Assisted my PhD director with lecturing in Matrix Theory by preparing materials, solving problems for the students and answering their questions
- Provided feedback to the professor on student progress and any areas of concern

Private tutor(Undergraduate Level) 2021 - Present

- Provided one-on-one tutoring services to undergraduate students in Mathematics and Computer Science including Probability, Algebra, Matrix Theory, imperative programming
- Conducted regular assessments to track progress and adjust teaching methods accordingly
- Prepared students for exams and assignments, and assisted with homework

Private tutor(High School Level) 2015 - Present

- Prepared students for exams and assignments, and assisted with homework
- Maintained regular communication with parents to ensure alignment of student goals and progress

Professional Activities

- Serving as a referee for Journal of Inequalities and Applications, Journal of Mathematical Inequalities (JMI) and Operators and Matrices journal (OAM).
- Attended the Lebanese International Conference on Mathematics and Applications (LICMA '19), held in Lebanon from 15 to 18 April 2019
- Participated in the CIMPA school on Graph Theory hosted by Lebanese University from 06/06/2022 to 15/06/2022

References

Hassane Abbas, Professor
Lebanese University, Faculty of Science-1, Beirut
03147704, habbas@ul.edu.lb

Bassam Mourad, Professor
Lebanese University, Faculty of Science-1, Beirut
03784363, bmourad@ul.edu.lb

Database Management, SQL

Other skills

Analytical and Problem-Solving Skills

Attention to Detail and Accuracy

Time Management

Presentation and Communication

Team Work and Leadership

Hobbies

- Solving Riddles and Logical Puzzles
- Enjoys Programming Problems