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Lecturer

Pure Mathematics

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PROFILE

Lecturer of Pure Mathematics, Mathematics Department, Ain Shams University, Faculty of Sciences from 2024 till Now.

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EXPERIENCE

- Demonstrator in Department of Mathematics, Faculty of science, Ain Shams University from 2013.
- Assistant Lecturer in Department of Mathematics, Faculty of science, Ain Shams University from 2021.
- Lecturer in Department of Mathematics, Faculty of science, Ain Shams University, from 2024 till now.

INTERNSHIP EXPERIENCES

- ✓ English Conversation Course at The American University.
- ✓ Summer Training in General Authority for Meteorology, Cairo Regional Centre.
- ✓ Member of The Egyptian Mathematical Society.

- Salsabeel M. Abd El-Salam, ShimaA Atef, Essam El-Seidy, A. Elmasry and Amira Abdel-Malek. Simultaneous and Alternating Models via Queuing System, Applied Mathematics & Information Sciences, 19, No 1, 161-169, (2025).
<https://dx.doi.org/10.18576/amis/190114>
- ShimaA Atef, Essam El-Seidy and Salsabeel M. Abd El-Salam, Relatedness in zero-determinant strategies, Journal of Intelligent and Fuzzy Systems, p.p. 1-13, (2024).
<https://doi.org/10.3233/JIFS-239406>
- ShimaA Atef, Essam El-Seidy and Naglaa M. Reda, Tit-For-Tat and Win Stay-Lose Shift strategies via memory-two, Journal of Intelligent & Fuzzy Systems 46, 8375–8388, (2024).
<https://doi.org/10.3233/JIFS-233690>
- Essam El-Seidy, E. A. Elsakhawy, Mohamed Mamdouh Zayet, and ShimaA Atef, Analyzing Related Strategic Behavior Through Strictly Alternating Interactions with Two-Memory Length, Inf. Sci. Lett. 12, No. 6, 2483-2494, (2023).
<http://dx.doi.org/10.18576/isl/120625>
- ShimaA Atef, Amira R. Abdel-Malek, and Essam El Seidy, Monitor Reaction of Win Stay-Lose Shift Strategies in Iterated Three-Player Prisoner's Dilemma Game, Inf. Sci. Lett. 12, No. 4, 1875-1889, (2023).
<http://dx.doi.org/10.18576/isl/120412>

Bachelor of Science, Faculty of Science, Ain Shams University, Cairo, Egypt, May 2012.

Post-graduate year (Preparatory one year for master's degree), Faculty of Science, Ain Shams University, Cairo, Egypt, September 2013.

M. Sc. in Mathematics, Faculty of Science, Ain Shams University, Cairo, Egypt, June 2021.

- **Entitled:** Different Approaches for Solving Fractional Differential Equations.
- **Topic:** Fractional Calculus (Approximation Theory).
- **Major:** Pure Mathematics.
- **References**
 - ❖ M. Sc. Supervisor, **Prof. Gerd Baumann.** Department of Basic Science, Faculty of Engineering, German University in Cairo.
 - ❖ M. Sc. Supervisor, **Ass. Prof. Fayzah Abd El-Haleem Ibrahim.** Department of Mathematics, Faculty of Science, Ain Shams University.
 - ❖ M. Sc. Supervisor, **Dr. Hany Abd El-Naim Mostafa El-Sharkawy.** Department of Mathematics, Faculty of Science, Ain Shams University.

Ph. D. in Mathematics, Faculty of Science, Ain Shams University, Cairo, Egypt, Oct 2024.

- **Entitled:** Statistical Treatments on Some Models of Games.
- **Topic:** Game theory (Discrete Mathematics).
- **Major:** Pure Mathematics.
- **References**
 - ❖ Ph. D. Supervisor, **Prof. Essam El-Saidy.** Professor of Pure Mathematics, Department of Mathematics, Faculty of Science, Ain Shams University.
 - ❖ Ph. D. Supervisor, **Ass. Prof. Naglaa Reda.** Assistant Professor of Computer Science, Department of Mathematics, Faculty of Science, Ain Shams University.
 - ❖ Ph. D. Supervisor, **Ass. Prof. Eliwa Roushdy.** Assistant Professor of Pure Mathematics, Department of Basic Science, Faculty of Engineering, Arab Academy for Science and Technology and Maritime Transport.
 - ❖ Ph. D. Supervisor, **Dr. Ayat El-Masry.** Doctor of Mathematical Statistical, Department of Mathematics, Faculty of Science, Ain Shams University.
 - ❖ Ph. D. Supervisor, **Dr. Amira Abd El-Malek.** Doctor of Pure Mathematics, Department of Basic Science, Faculty of Engineering, Egyptian Russian University.