



BARAA ADEL KHAMIS AHMED

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Mathematics Assistant Professor, Basic and Applied Science Institute, collage of engineering and technology, AAST

EXPERIENCE

2011-UNTIL
NOW



MATHEMATICS LECTURER

Institute of Basic and Applied Sciences, Collage of Engineering and Technology, Arab Academy for Science, Technology and Maritime Transport (www.aast.edu)

EDUCATION

2016-2021

PhD. In applied mathematics – Fluid Mechanics

Department of Mathematics and Computer Science, Faculty of Science, Alexandria University, Egypt.

2011-2015

M.Sc. in Applied Mathematics, Fluid Dynamics

Department of Mathematics and Computer Science, Faculty of Science, Alexandria University, Egypt

2005-2011

B.Sc. in Mathematics and Computer Science

Department of Mathematics and Computer Science, Faculty of Science, Alexandria University, Egypt

RESEARCH

- **2021**

1-Mobilities of a spherical particle straddling the interface of a semi-infinite Brinkman flow

MS Faltas, HH Sherief, AA Allam, BA Ahmed

Journal of Fluids Engineering 143

2-Axisymmetric motion of a slip spherical particle in the presence of a Brinkman interface with stress jump

MS Faltas, HH Sherief, AA Allam, BA Ahmed

European Journal of Mechanics-B/Fluids 90

- **2024**

1-Oscillations of a spherical particle in the presence of a flat interface separating two fluid phases

MS Faltas, M.G. Nashwan, Baraa A. Ahmed, Pancé Hamdy

Chinese Journal of Physics