

Faculty of Mathematics and Mechanics

Chair of Theory of Functions and Differential Equations

Lecturer on an hourly basis

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Publications

Article

Convergence of physics-informed neural networks for fully nonlinear PDEs

Avetik Arakelyan, Rafayel Barkhudaryan

Journal of Computational and Applied Mathematics 2026 117740 - 117740

<https://doi.org/10.1016/j.cam.2026.117740>

Article

Numerical treatment to a non-local parabolic free boundary problem arising in financial bubbles

A. Arakelyan, R. Barkhudaryan, H. Shahgholian, M. Salehi

Bulletin of the Iranian Mathematical Society 2019 59-73
