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Differential Equations of Mathematical Physics and Related Problems of Mechanics

Guest Editors:	Message from the Guest Editors
Prof. Dr. Hovik Matevossian	The main topics of this Special Issue are:
Prof. Dr. Maria Korovina	Mathematical Physics and PDE
Prof. Dr. Sergey Lurie	Applied Mathematics
Deadline for manuscript submissions: closed (31 October 2023)	Numerical methods of ODEs and PDEs, nonlinear problems, bifurcations, stability, chaos and fractals, fractional calculus;
	 Related Problems of Analysis and Continuum Mechanics
	Stochastic models and probabilistic methods including random matrices and stochastic PDE; variational formulations of gradient elasticity theories, micropolar and micromorphic models of solids and fluids; constructive methods for representing solutions in the high-order

thermodynamic,

theories of solids; general representations of solutions; nonlocal effects (interactions) and smooth solutions for bodies with nonsmooth geometry; identification of materials parameters of generalized continuum theories; size-dependent models of thin structures and composite materials; nonclassical dynamic effects in generalized media; gradient theories in multiphysics, including

processes in the nano- and microfields of mechanical

engineering and related applied problems.

thermodiffusion, electroelasticity

Specialsue



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Editor-in-Chief

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Message from the Editor-in-Chief

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