



Well-Posedness, Dynamics, and Control of Nonlinear Differential System with Initial-Boundary Value

Guest Editors:

Prof. Dr. Xinsong Yang

College of Electronics and Information Engineering, Sichuan University, 610065 Chengdu, Sichuan, China

Prof. Dr. Ruofeng Rao

Department of Mathematics, Chengdu Normal University, Chengdu 611130, Sichuan, China

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Message from the Guest Editors

Ordinary differential systems briefly describe many essential characteristics in engineering, such as mechanics, electromagnetism, control operation, and so on. Its initial boundary value problem has achieved many encouraging results, which has effectively promoted the modernization of engineering technology. Additionally, reaction diffusion equations have a very rich application background in the fields of physics, biology, finance, neural networks, and various control systems. In particular, the diffusion equations with initial boundary value conditions correspond to a specific variety of engineering backgrounds. The existence, uniqueness, regularity, and stability of solutions of these kind of equations are still concerning because of their challenges. The global stability or synchronization analysis of this kind of non-linear system is also an important problem to be further considered because its significance is very important in mathematics and engineering. The main purpose of this Special Issue is to disclose the latest progress, new schools of thought, and new methods in the research of such problems, and encourage original work.





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Editor-in-Chief

Prof. Dr. Francisco Chiclana
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Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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Mathematics Editorial Office
MDPI, Grosspeteranlage 5
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