Special Issue

Mathematical Modeling in Nonlinear Control and Robotics

Message from the Guest Editors

We are pleased to invite you to submit your latest research in the area of nonlinear modeling and control to this upcoming Special Issue of *Mathematics*, entitled "Mathematical Modeling in Nonlinear Control and Robotics". There are many nonlinear characteristics in the robot control process that are difficult to approximate linearly, especially for some new robots. Therefore, the study of nonlinear control modeling has great theoretical significance and application value. This Special Issue aims to promote the advancement of research in the areas of mathematical modeling, nonlinear control, and robotics. We invite authors to submit original research articles and reviews to this Special Issue. Research areas may include (but are not limited to) the following topic: (1) Mathematical modeling of nonlinear systems. (2) Nonlinear control theory and design, including advanced control methods for nonlinear systems and their applications. (3) Robotics and automation, including kinematics, dynamics, motion planning. (4) Applications of mathematical modeling and control to various engineering fields, such as aerospace, automotive, and chemical processing.

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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