

## Special Issue

# New Approach Development for Stability Analysis of Nonlinear Time-Dependent Dynamics

### Message from the Guest Editor

Most dynamical systems in practice are nonlinear, and stability is one of the important criteria for control design and performance analysis for nonlinear dynamical systems. Currently, there are very few tools that can be used to analyze the stability and performance of nonlinear non-autonomous dynamical systems. This Special Issue will focus on new developments and new approaches for stability analysis tools geared towards nonlinear dynamics. Contributing authors are welcome to submit papers in the areas of, but not limited to, stability analysis and tools for nonlinear dynamics, control design for nonlinear dynamics, learning- and optimization-based approach design, and new tools for the modeling of complex systems.

### Guest Editor

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### Deadline for manuscript submissions

closed (24 September 2024)



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### Message from the Editor-in-Chief

*Axioms* is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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