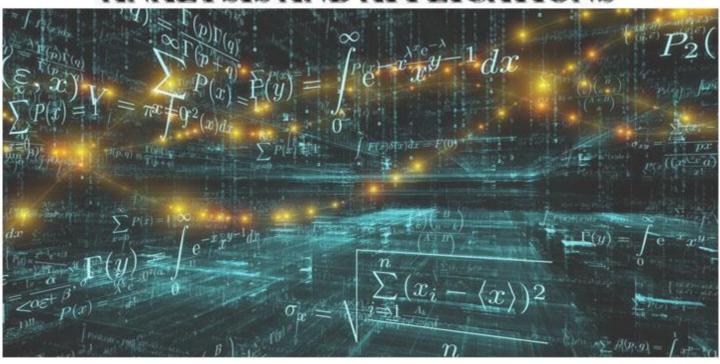
### Call for Book Chapters/Research Papers for Edited Book

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## RECENT TRENDS IN MATHEMATICAL ANALYSIS AND APPLICATIONS



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# Call for Chapters Recent Trends In Mathematical Analysis and Applications

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Mathematics is one of the oldest and most important disciplines in academia. With the development of technology, mathematics has become more advanced and complex. In recent years, there has been a significant trend towards using mathematics to solve real-world problems. This includes using mathematical models to predict stock market trends, analyzing data sets for medical research, and developing algorithms for autonomous vehicles. Advance mathematics is becoming increasingly important in many fields such as finance, engineering, and computer science. As such, it is important to understand the latest trends in advance mathematics so that they can stay ahead of the curve. In this ook our main focus is to present the original research work, brief overview and review chapters enlighting theoritical advances in mathematics an application in recent trends. The book will explore the following topics:

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- · category theory
- · classical analysis and ODEs
- · combinatorics
- commutative algebra
- · complex variables
- · differential geometry
- · dynamical systems
- · functional analysis
- · general mathematics
- · general topology
- · geometric topology
- · group theory
- · history and overview
- information theory
- K-theory and homology
- · logic
- · mathematical physics
- · metric geometry
- · number theory
- numerical analysis

- · operator algebras
- · optimization and control
- probability
- · quantum algebra
- · representation theory
- rings and algebras
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