Nonlinear Physical Science

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Nonlinear Physical Science is a new book series co-published by Higher Education Press of China (HEP) and Springer. This book series will provide a forum to systematically summarize recent developments, discoveries and progresses on Nonlinear Physical Science for historical records. The aims of the book series are to provide the fundamental and frontier theories and techniques for nonlinear physical science; to stimulate more research interest on nonlinearity, synchronization and complexity in nonlinear science; and to directly pass the new knowledge to the young generation, scientists, engineers and students in the corresponding fields.

Nonlinear Physical Science focuses on the recent advances of fundamental theories and principles, analytical and symbolic approaches, as well as computational techniques in nonlinear physical science and nonlinear mathematics with engineering applications. Topics of interest in Nonlinear Physical Science include but are not limited to
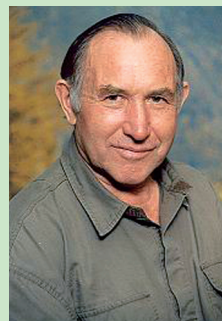▪ New findings and discoveries in nonlinear physics and mathematics.
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▪ Lie group analysis, new theories and principles in mathematical modelling.
▪ Stability, bifurcation, chaos and fractals in physical science and engineering.
▪ Nonlinear chemical and biological physics.
▪ Discontinuity, synchronization and natural complexity in physical science.

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