



Algebraic Systems, Models and Applications

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted to the study of algebraic systems with applications to real-world problems. The existence, uniqueness, and non-uniqueness of solutions are important topics for investigations. Numerical methods for approximating the solutions will be considered with priority. Of course, fixed point theorems and iterative methods are essential tools in these studies. In particular, special attention will be paid to systems with positive coefficients and positive solutions. It is known that such systems appear in several applications and we will be interested in enlarging the list of these applications.

- algebraic systems
- positive solutions
- existence, uniqueness
- fixed point theorems
- iterative methods
- approximate solutions
- numerical methods
- applications to boundary value problems
- dirichlet problems
- difference equations
- image analysis
- collocation
- kernel-based approximation





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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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