

Special Issue

Yang–Baxter Equations, Nonassociative Structures and Applications—In Memoriam, Stefan Papadima

Message from the Guest Editor

The Yang–Baxter equation first appeared in a paper by the Nobel laureate C.N. Yang and in R.J. Baxter's work. In 1990, at the International Mathematics Congress, three of the four field's medalists were awarded prizes for their work related to the Yang–Baxter equation. This equation plays a crucial role in many areas of mathematics, physics and computer science. Many scientists have used the axioms of various algebraic structures or computer calculations in order to produce solutions for it, but the full classification of its solutions remains an open problem. This Special Issue is dedicated to Ștefan Papadima (1953--2018), whom we would like to commemorate as a professor and researcher. I remember our discussions on Artin groups, Yang–Baxter equations and the Alexander polynomial of knots, but there were also other investigations which remained unpublished. We will focus on various aspects of the Yang–Baxter equations, nonassociative structures and the related structures, and we would like to gather together both interesting reviews and research papers.

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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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