

Special Issue

Analysis of Functional Logic Programming and Its Applications

Message from the Guest Editor

Functional Logic Programming is a hybrid declarative programming paradigm based upon the fundamental characteristics of functional programming and logic programming paradigms. In this paradigm, concepts such as higher-order functions and referential transparency, which are central to functional programming, are integrated with those in logic programming, such as relational rules and logical deduction. Programs in this hybrid paradigm enable a higher level of abstraction, while offering the compactness of functional programs and the flexible query answering of logic programs. This Special Issue, entitled “Analysis of Functional Logic Programming and Its Applications”, intends to present recent advances in the theoretical foundations and novel applications of this paradigm. Researchers are invited to contribute to this Special Issue with original research articles, review papers, and short communications. Articles should clearly indicate the contribution of the work and exhibit high standards of exposition.

Guest Editor

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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