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Mathematics in Computer Science

Foreword

Nacim Ramdani · Luc Jaulin

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This special issue of *Mathematics in Computer Science* on interval methods and applications is a follow-up to the sixth annual international Workshop on Interval Methods (SWIM) which took place in Brest, France, on June 5–7, 2013.

Interval methods and set computation techniques make it possible to compute directly with sets or intervals of real numbers. They are thus often at the core of guaranteed and complete solving methods for constraint satisfaction problems, computer-aided proof, design, control and estimation of uncertain dynamical complex systems. This volume gathers papers on new theoretical contributions to interval and set computation, new solution techniques for optimization and constraint satisfaction problems, and on the application of these methods to actual systems from robotics, sensor networks and energy systems.

In addition to full papers corresponding to conference contributions, it also includes independent submissions. Each paper has been reviewed by two or more independent referees. We would like to thank all authors and referees for their contribution.

N. Ramdani (✉)
Univ. Orléans, INSA-CVL, PRISME EA4229, IUT Bourges, 63 av. de Lattre de Tassigny, 18000 Bourges, France
e-mail: nacim.ramdani@univ-orleans.fr

L. Jaulin
ENSTA Bretagne, LABSTICC, 2 rue François Verny, 29806 Brest, France
e-mail: luc.jaulin@ensta-bretagne.fr

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