

Special issue on Symmetries and Integrability of Difference Equations

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CALL FOR PAPERS**Special issue on Symmetries and Integrability of
Difference Equations**

This is a call for contributions to a special issue of *Journal of Physics A: Mathematical and Theoretical* dedicated to the subject of the 'SIDE8 International Conference', Sainte-Adèle, Canada, 22–28 June 2008 (http://www.crm.umontreal.ca/SIDE8/index_e.shtml). Participants at that meeting, as well as other researchers working in the field, are invited to submit a research paper to this issue.

Editorial policy

The Editorial Board has invited Decio Levi, Peter Olver, Zora Thomova and Pavel Winternitz to serve as Guest Editors for the special issue. Their criteria for the acceptance of contributions are as follows.

The subject of the paper should relate to the subject of the conference:

- Ordinary and partial difference equations
- Analytic difference equations
- Orthogonal polynomials and special functions
- Symmetries and reductions
- Difference geometry
- Integrable discrete systems on graphs
- Integrable dynamical mappings
- Discrete Painlevé equations
- Singularity confinement
- Algebraic entropy
- Complexity and growth of multivalued mapping
- Representations of affine Weyl groups
- Quantum mappings
- Quantum field theory on the space-time lattice

All contributions will be refereed and processed according to the usual procedure of the journal. Papers should report original and significant research that has not already been published.

Guidelines for preparation of contributions

- The DEADLINE for contributed papers will be **1 March 2009**. This deadline will allow the special issue to appear in October 2009.
- There is a nominal page limit of 12 printed pages (approximately 7200 words) per contribution. For papers exceeding this limit, the Guest Editors reserve the right to request a reduction in length. Further advice on publishing your work in *Journal of Physics A: Mathematical and Theoretical* may be found at www.iop.org/Journals/jphysa.

CALL FOR PAPERS

- Contributions to the special issue should if possible be submitted electronically by web upload at www.iop.org/journals/jphysa, or by email to jphysa@iop.org, quoting 'JPhysA Special Issue: Symmetries and Integrability of Difference Equations'. Submissions should ideally be in standard LaTeX form. Please see the website for further information on electronic submissions.
- Authors unable to submit electronically may send hard-copy contributions to: Publishing Administrators, Journal of Physics A, IOP Publishing, Dirac House, Temple Back, Bristol, BS1 6BE, UK. Please quote 'JPhysA Special Issue–Symmetries and Integrability of Difference Equations'.
- All contributions should be accompanied by a read-me file or covering letter giving the postal and email address for correspondence. The Publishing Office should be notified of any subsequent change of address.

The special issue will be published in the paper and online version of the journal.

Decio Levi, Peter Olver, Zora Thomova and Pavel Winternitz
Guest Editors