Special Issue

Shortcut to Adiabaticity in Classical and Quantum Systems

Message from the Guest Editors

This Special Issue aims to highlight recent advancements in enhanced STA methodologies and to stimulate dialogue on current trends and future directions in adiabatic processes, potential topics include:

- Experimental implementations of STA schemes in atomic state population transfer and molecular manipulation.
- Advancements in manipulating external fields to achieve desired quantum states efficiently.
- Contributions discussing the intersection of quantum heat engines and quantum thermodynamics in the context of STA.

Guest Editors

Dr. Jing Li

1. School of Physical Science and Technology, Nantong University, Nantong 226000, China

2. School of Physics, University College Cork, T12 K8AF Cork, Ireland

Dr. Andreas Ruschhaupt

Department of Physics, University College Cork, T12 YN60 Cork, Ireland

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Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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