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.

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