



Computation Methods on Quantum Systems

Guest Editor:

Dr. Alejandro R. Urzúa

Instituto de Ciencias Físicas,
Universidad Nacional Autónoma
de México. Cuernavaca, Morelos
62210, Mexico

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editor

Dear Colleagues,

Since the birth of the quantum theory as a framework to deal with the microscopic, their philosophical and mathematical nature has been a disruptive pathway that permeates on a lot of fields that appear to be disconnected. Nowadays, we recognize the mathematical methods and analytical facts of quantum mechanics as a set of rules, procedures, and understandings, thus helping us to solve problems regarding true quantum systems and analogues that seem to follow a similar nature and dynamical rules.

This Special Issue, entitled "Computation on Quantum Systems", is intended to be a collection of wide-range results which report on the use of mathematical procedures and methods which aim to unravel the evolution and interactions of quantum systems, as well as similar analogues.

The topics of which we expect works are regarded, but not limited to, solutions on dynamical equations; time-dependent and independent systems; operational approaches to quantum, classical, and hybrid systems; algebraic structures; group theoretical methods; and numerical analysis.

We hope you find this proposal as a correct and exciting place to share your work.

