



Nonequilibrium Phenomena in Strongly Correlated Systems

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Message from the Guest Editors

Nonequilibrium physics is of fundamental relevance for many phenomena, occurring at the highest energy densities, such as heavy ion collisions, and also for condensed matter physics and ultracold gases. Simple approaches, such as the Boltzmann equation, become questionable when strong correlations are formed in a system. The problems to be solved in different areas are connected with concepts to formulate a nonequilibrium theory. Time evolution, as described by kinetic equations, transport codes, or reaction networks, should also include the formation of correlations, and in particular bound states.

The aim of this Special Issue is to highlight the Zubarev method of the nonequilibrium statistical operator as a unifying concept to approach nonequilibrium phenomena in different fields of physics.

