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This issue is devoted to the memory of Professor D.N. Zubarev, a well-known physicist, brilliant specialist in the field of fundamental problems of equilibrium and nonequilibrium statistical mechanics.

The issue contains articles dealing with kinetic and hydrodynamic processes in various systems on the basis of nonequilibrium statistical operator and Green functions methods, the interacting modes theory and the generalized Fokker-Planck method.

With this collection of scientific papers we pay our tribute to the memory of Professor D.N. Zubarev and acknowledge his role in the development of theoretical physics in Ukraine.

