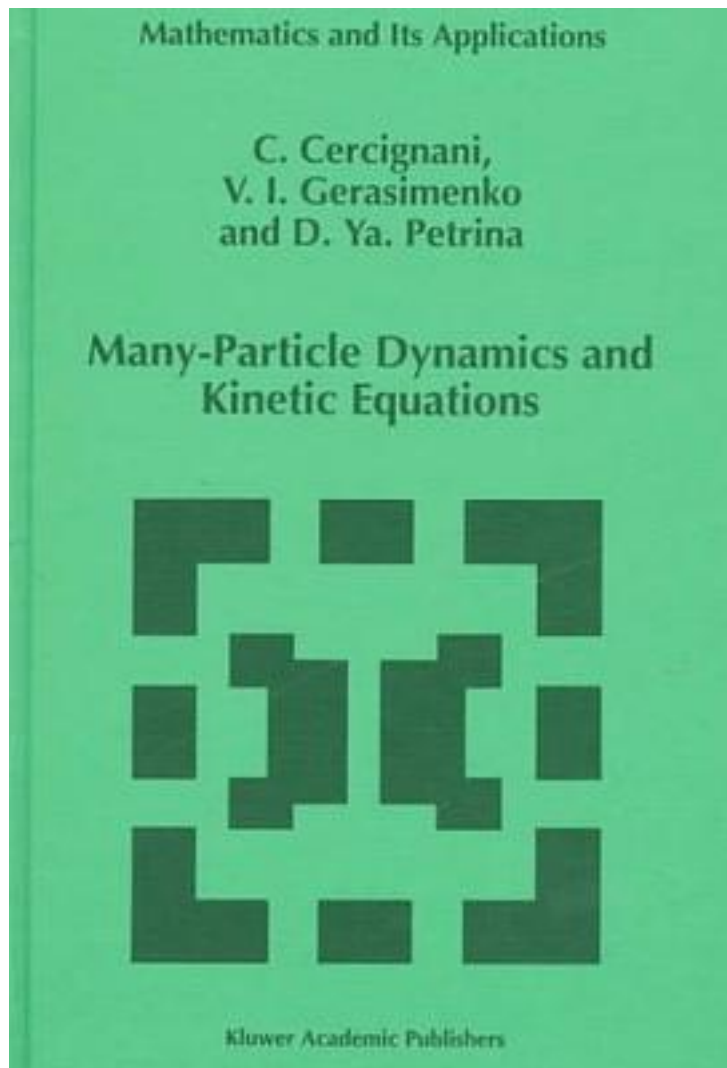


Many Particle Dynamics and Kinetic Equations (Mathematics and Its Applications)



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出版者:Springer

出版时间:1997-07-31

装帧:Hardcover

isbn:9780792346968

This book is devoted to the evolution of infinite systems interacting via a short range potential. The Hamilton dynamics is defined through its evolution semigroup and the corresponding Bogolubov-Born-Green-Kirkwood-Yvon (BBGKY) hierarchy is constructed. The existence of global in time solutions of the BBGKY hierarchy for hard spheres interacting via a short range potential is proved in the Boltzmann-Grad limit and by Bogolubov's and Cohen's methods. Audience: This volume will be of interest to graduate students and researchers whose work involves mathematical and theoretical physics, functional analysis and probability theory.

作者介绍:

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