

PREFACE

This ninth volume of *Annual Reviews of Computational Physics* has as a special feature a comprehensive compendium of interatomic potentials as used for materials properties. I hope this compendium will be useful for many years to come in order to go beyond Lennard–Jones and hard sphere simulations. Other articles deal with simulations of magnetic nanostructures, improved Monte Carlo methods, e.g., for nucleation studies in Ising models, fluid dynamics with large mean free paths, the growing field of “socio-physics,” and undergraduate teaching of computational physics, including an introduction to Java. All files were with the publisher on the day of the deadline.

The cover picture shows in color Fig. 15 of the nanostructure review.

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