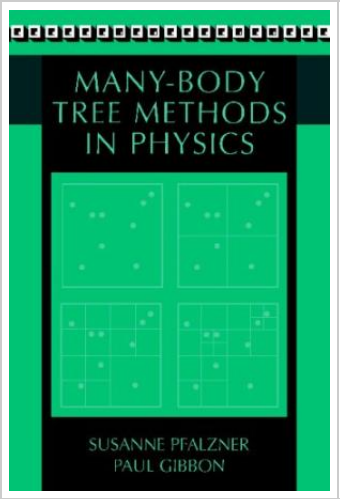

Many-Body Tree Methods in Physics (Paperback)

By Susanne Pfalzner, Paul Gibbon

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2005. Paperback. Condition: New. Revised ed.. Language: English . Brand New Book ***** Print on Demand *****. Studying the dynamics of a large number of particles interacting through long-range forces, commonly referred to as the N-body problem , is a central aspect of many different branches of physics. In recent years, significant advances have been made in the development of fast N-body algorithms to deal efficiently with such complex problems. This book is the first to give a thorough introduction to these so-called tree methods , setting out the basic principles and giving many practical examples of their use. No prior specialist knowledge is assumed, and the techniques are illustrated throughout with reference to a broad range of applications. The book will be of great interest to graduate students and researchers working on the modelling of systems in astrophysics, plasma physics, nuclear and particle physics, condensed matter physics and materials science.

Reviews

This is the very best publication i actually have read until now. It really is packed with knowledge and wisdom I am happy to let you know that this is the very best publication i actually have read in my very own existence and could be he greatest pdf for ever.

-- ***Dr. Nelda Schuppe***

Simply no words to spell out. It can be rally fascinating throgh studying period of time. You will not really feel monotony at at any moment of your own time (that's what catalogues are for concerning if you ask me).

-- ***Dr. Isabella Turner***