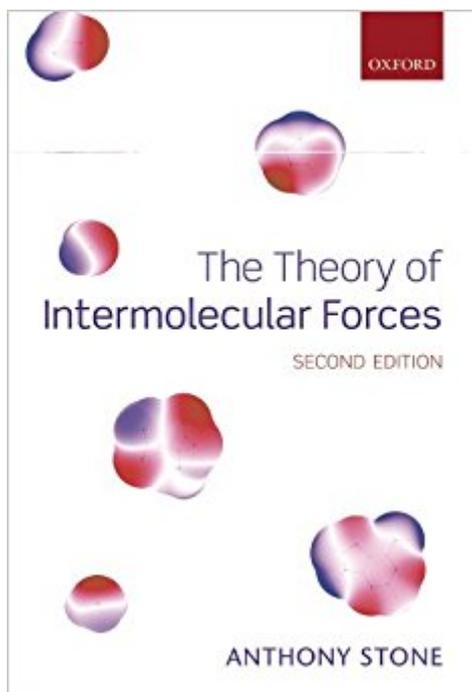


The book was found

# The Theory Of Intermolecular Forces



## Synopsis

The theory of intermolecular forces has advanced very greatly in recent years. It has become possible to carry out accurate calculations of intermolecular forces for molecules of useful size, and to apply the results to important practical applications such as understanding protein structure and function, and predicting the structures of molecular crystals. The Theory of Intermolecular Forces sets out the mathematical techniques that are needed to describe and calculate intermolecular interactions and to handle the more elaborate mathematical models. It describes the methods that are used to calculate them, including recent developments in the use of density functional theory and symmetry-adapted perturbation theory. The use of higher-rank multipole moments to describe electrostatic interactions is explained in both Cartesian and spherical tensor formalism, and methods that avoid the multipole expansion are also discussed. Modern ab initio perturbation theory methods for the calculation of intermolecular interactions are discussed in detail, and methods for calculating properties of molecular clusters and condensed matter for comparison with experiment are surveyed.

## Book Information

File Size: 6666 KB

Print Length: 352 pages

Publisher: OUP Oxford; 2 edition (January 31, 2013)

Publication Date: January 31, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00EEJ1NU4

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #703,393 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #26

in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Solid-State Physics #84

in Kindle Store > Kindle eBooks > Nonfiction > Science > Chemistry > Physical & Theoretical

#153 in Books > Science & Math > Physics > Nuclear Physics > Atomic & Nuclear Physics

## Customer Reviews

perfect

Everything about this book was great except the packaging. It arrived with all the corners of the hardcover bent. L

[Download to continue reading...](#)

The Theory of Intermolecular Forces, 2nd Edition The Theory of Intermolecular Forces  
Intermolecular and Surface Forces, Third Edition: Revised Third Edition Intermolecular and Surface  
Forces Disunity in Christ: Uncovering the Hidden Forces that Keep Us Apart US Army, Special  
Forces, Technical Manual, TM 9-1010-205-24, 40-MM GRENADE LAUNCHER M79, 1972 U.S.  
Forces in Vietnam: 1962-1967 (Militaria Guides) Rikugun. Volume 1: Tactical Organization Of  
Imperial Japanese Army & Navy Ground Forces Rikugun. Volume 2: Weapons of the Imperial  
Japanese Army & Navy Ground Forces Seismic Design of Building Structures: A Professionals  
Introduction to Earthquake Forces and Design Details Seismic Design of Building Structures: A  
Professional's Introduction to Earthquake Forces and Design Details, 8th ed. Seismic and Wind  
Forces: Structural Design Examples SuperLife: The 5 Forces That Will Make You Healthy, Fit, and  
Eternally Awesome Implosion: Lessons from National Security, High Reliability Spacecraft,  
Electronics, and the Forces Which Changed Them Nuclear Weapons Databook: Volume I - U.S.  
Nuclear Forces and Capabilities U.S. Army Special Forces Handbook What Really Went Wrong:  
How the Hidden Forces Behind Your Breakup Reveal Exactly How to Get Your Ex Back U.S. Armed  
Forces Nuclear, Biological And Chemical Survival Manual Special Operations Forces Medical  
Handbook A Perfect Hell: The True Story of the Black Devils, the Forefathers of the Special Forces

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)