



## Complex Plasmas And Colloidal Dispersions: Particle-resolved Studies Of Classical Liquids And Solids (Hardback)

By Alexei Ivlev, Gregor Morfill, Hartmut Löwen

World Scientific Publishing Co Pte Ltd, Singapore, 2012. Hardback. Condition: New. Language: English . This book usually ship within 10-15 business days and we will endeavor to dispatch orders quicker than this where possible. Brand New Book. Many fundamental issues in classical condensed matter physics can be addressed experimentally using systems of individually visible mesoscopic particles playing the role of proxy atoms . The interaction between such atoms is determined by the properties of the surrounding medium and/or by external tuning. The best-known examples of such experimental model systems are two different domains of soft matter - complex plasmas and colloidal dispersions. The major goal of this book - written by scientists representing both complex plasmas and colloidal dispersions - is to bring the two fields together. In the first part of the book the basic properties of the two systems are summarized, demonstrating huge conceptual and methodological overlap of the fields and emphasizing numerous cross-connections between them and their essential complementarity. This introductory part should serve to help each community in understanding the other field better. Simultaneously, this provides the necessary basis for the second part focused on particle-resolved studies of diverse generic phenomena in liquids and solids - all...



**READ ONLINE**

[ 5.37 MB ]

### Reviews

*Thorough guideline for publication fanatics. Better than never, though i am quite late in start reading this one. I am just effortlessly could possibly get a delight of reading a created book.*

-- **Terry Bailey**

*Simply no words and phrases to clarify. It really is full of knowledge and wisdom You wont feel monotony at at any moment of the time (that's what catalogs are for relating to when you question me).*

-- **Paolo Spinka**