

This book is based on tutorial lectures given at the Graduate Summer Institute on “Complex Plasmas” at the Stevens Institute of Technology, Hoboken, NJ (USA) from July 30 to August 8, 2008. The workshop was jointly organized by the SFB-TR24 “Fundamentals of Complex Plasmas” Greifswald/Kiel (Germany) and Stevens. The school was attended by about 110 participants – scientists and graduate students. The chapters in this book take account of the lively discussions at this summer school and should serve as valuable introductory material for the active field of complex plasmas.

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