

Equilibrium Statistical Physics With Computer Simulations In Python

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of Michigan This is a graduate textbook in Statistical Physics intended for students in Physics, Biophysics, Chemistry, Materials Science, and Engineering. It is based on using computer simulations in Python as a learning tool. Many exercises involve simulations, and a set of listings of computer programs are given in the appendix. Equilibrium Statistical Physics: with Computer simulations ... Thermodynamics is covered in a very shallow way (perhaps this can be forgiven for a statistical physics book), but even basic statistical physics is only explained incompletely. For example, the Liouville theorem is not even mentioned. Another problem is, for beginners, that the problems are not always solvable based on reading the text. Equilibrium

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