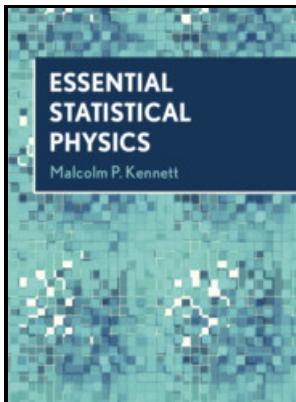


Statistical physics

-- lectures



Description: -

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Rome -- History -- Empire, 30 B.C.-476 A.D
Probabilities.

Physics.Statistical physics

-Statistical physics

Notes: 6

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Statistical Physics I

At UC Merced, we are building a group of faculty interested in problems related to soft materials, from new liquid crystal composite materials, to granular media and cell membranes.

Biological, Soft Matter, Nonlinear, and Statistical Physics

For example, consider a block of iron. In the condensation phase, there are even fewer clusters, but solutions still exist.

Readings, Notes & Slides

The independence of the clauses makes computations in this model simpler.

PHY

We can see evidence of this already in the way that the second moment method failed us. With this choice, one can show that the global maximum is indeed achieved at as long as.

Readings, Notes & Slides

Achlioptas and Ricci-Tersenghi showed that for , , and a fixed constant, the above function is less than. In fact, magnetization exhibits a phase transition: there is a critical temperature, , below which a block of iron will act as a magnet, and above which it will suddenly lose its magnetism

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