

Prediction and retrodiction in Boltzmann's approach to classical statistical mechanics

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Abstract

In this paper we address two problems in Boltzmann's approach to statistical mechanics. The first is the justification of the probabilistic predictions of the theory. And the second is the inadequacy of the theory's retrodictions.

Keywords: thermodynamics, statistical mechanics, second law, Boltzmann, retrodiction, past hypothesis

Subjects: [Specific Sciences: Physics](#)
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