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Second thoughts on Entropy and the Second Law of Thermodynamics

physikalisches

Mo. 30.10.17
16:00 Uhr
Ort: H34

Despite the venerable age of more than 160 years the Second Law of Thermodynamics and the concept of Entropy continue to intrigue students and researchers.

In the lecture an approach to these pillars of classical physics will be presented where entropy is defined solely in terms of the relation of adiabatic accessibility between equilibrium states. In non-equilibrium situations the same strategy also allows a definition of entropy which, however, may not be unique. The general formalism has applications in other areas, e.g., in Quantum Information Theory.

