

CHAPTER OVERVIEW

10: Entropy and Information

The concept of entropy is one of the more difficult concepts in physics. Historically, it emerged as a consequence of the second law of thermodynamics, as in Equation 3.4.13. Later, Boltzmann gave a general definition for it in terms of the number of ways of distributing a given number of particles, as in Equation 7.2.3. But a clearer understanding of entropy is related to its interpretation in terms of information. We will briefly discuss this point of view here.

[10.1: Information](#)

[10.2: Maxwell's Demon](#)

[10.3: Entropy and Gravity](#)

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