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Autore	Ruhla, Charles
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Nota di contenuto	1. The children of Democritus (prediction in science). 1.1. Prediction = science. 1.2. Model = scientific knowledge. 1.3. Prediction in science. 1.4. The hybrid case. 1.5. The limits of classical determinism -- 2. The laws of chance (the theory of probability). 2.1. The experimental roots of the notion of probability. 2.2. Random and pseudo-random phenomena. 2.3. Total and joint probabilities. 2.4. The binomial distribution. 2.5. The Poisson distribution. 2.6. The Gaussian (or normal) distribution -- 3. Gaussian deviations (the theory of physical measurements). 3.1. The central limit theorem. 3.2. Reproducibility, bias, and sensitivity. 3.3. The measurement of a continuous variable. 3.4. The measurement of a discontinuous variable. 3.5. The smoothing of experimental data. 3.6. Relations transformed. 3.7. Conclusions -- 4. Maxwell, or probabilities as a matter of ignorance. 4.1. The model for a perfect gas. 4.2. The probabilistic assumptions introduced by Maxwell. 4.3. Pressure and temperature. 4.4. The velocity distribution. 4.5. The theory tested by experiment. 4.6. Simulating a perfect gas. 4.7. Assessment of the model -- 5. Boltzmann, or probabilities as a matter of conviction (statistical physics). 5.1. Irreversible adiabatic expansion. 5.2. A model for irreversible adiabatic expansion. 5.3. Phase space. 5.4. The Boltzmann distribution. 5.5

