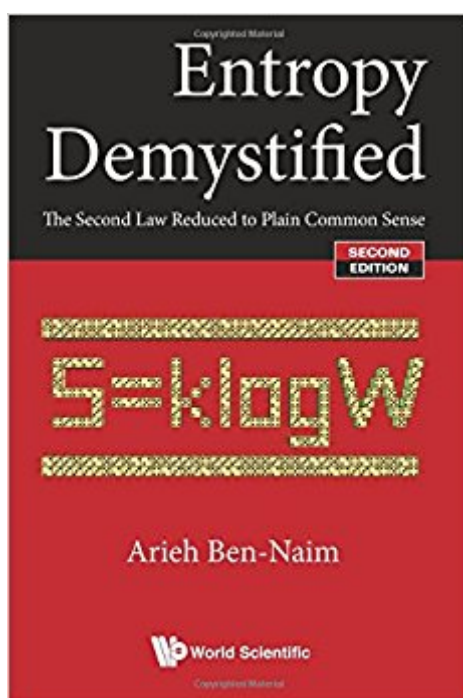




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Entropy Demystified: The Second Law Reduced To Plain Common Sense



Synopsis

"It can be used as a supplementary material for teaching thermodynamics and statistical physics at an undergraduate or postgraduate level and can be a great read for undergraduate and postgraduate students of Sciences and Engineering." Contemporary Physics In this unique book, the reader is invited to experience the joy of appreciating something which has eluded understanding for many years - entropy and the Second Law of Thermodynamics. The book has a two-pronged message: first, that the Second Law is not infinitely incomprehensible as commonly stated in most textbooks on thermodynamics, but can, in fact, be comprehended through sheer common sense; and second, that entropy is not a mysterious quantity that has resisted understanding but a simple, familiar and easily comprehensible concept. Written in an accessible style, the book guides the reader through an abundance of dice games and examples from everyday life. The author paves the way for readers to discover for themselves what entropy is, how it changes, and, most importantly, why it always changes in one direction in a spontaneous process. In this new edition, seven simulated games are included so that the reader can actually experiment with the games described in the book. These simulated games are meant to enhance the readers' understanding and sense of joy upon discovering the Second Law of Thermodynamics. All errors in the previous edition were corrected and a whole new section (7.7) has been added in which the meaning of entropy is explain in simple lanaguage.

Book Information

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Customer Reviews

I was glad to have read it. Excellent explanations and diagrams - a rewarding book for the nimble

mind. For the thinker, scientist or philosopher, curiosity is both stimulated, advanced and satisfied

Great read! Entropy was always a bit of a mystery to me but this book is great!

An excellent book loaded with interesting facts about thermodynamics and a novel approach to help everyone understand these principles. Also included is some probability theory which can be applied to numerous subjects. The book is very well written and the book itself is of high quality. Students and casual readers alike will enjoy this book.

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