Record Nr. UNINA9910450707003321 Autore Ben-Naim Arieh <1934-> Titolo Entropy demystified [[electronic resource]]: the second law reduced to plain common sense / / Arieh Ben-Naim Hackensack, N.J., : World Scientific, c2007 Pubbl/distr/stampa **ISBN** 1-281-12113-4 9786611121136 981-277-069-0 Descrizione fisica 1 online resource (248 p.) Disciplina 536/.73 Soggetti **Entropy** Second law of thermodynamics Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references (p. 219-221). Nota di bibliografia Nota di contenuto Preface; Contents; 1 Introduction, and a Short History of the Second Law of Thermodynamics; 2 A Brief Introduction to Probability Theory, Information Theory, and all the Rest; 3 First Let Us Play with Real Dice; 4 Let's Play with Simplified Dice and have a Preliminary Grasp of the Second Law; 5 Experience the Second Law with all Your Five Senses; 6 Finally, Grasp it with Your Common Sense; 7 Translating from the Dice-World to the Real World: 8 Reflections on the Status of the Second Law of Thermodynamics as a Law of Physics; References and Suggested Reading In this unique book, Arieh Ben-Naim invites the reader to experience Sommario/riassunto 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 textbooks of 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 guid