

1. Record Nr.	UNISALENTO991004265228707536
Autore	Pathria, R. K.
Titolo	Statistical mechanics / R.K. Pathria, Paul D. Beale
Pubbl/distr/stampa	London [etc.] : Elsevier, c2022
ISBN	9780081026922
Edizione	[4th ed.]
Descrizione fisica	xxx, 738 p. : ill. ; 24 cm
Classificazione	53.1.62 QC 175 53.1.64
Altri autori (Persone)	Beale, Paul D.
Disciplina	531.19
Soggetti	Statistical mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Sommario/riassunto	Statistical Mechanics, Fourth Edition, explores the physical properties of matter based on the dynamic behavior of its microscopic constituents. This valuable textbook introduces the reader to the historical context of the subject before delving deeper into chapters about thermodynamics, ensemble theory, simple gases theory, Ideal Bose and Fermi systems, statistical mechanics of interacting systems, phase transitions, and computer simulations. In the latest revision, the book's authors have updated the content throughout, including new coverage on biophysical applications, updated exercises, and computer simulations. This updated edition will be an indispensable to students and researchers of statistical mechanics, thermodynamics, and physics.