Record Nr. UNINA9910453976703321 Autore Kothandaraman C. P Titolo Fundamentals of heat and mass transfer [[electronic resource] /] / C.P. Kothandaraman Pubbl/distr/stampa New Delhi, : New Age International (P) Ltd., Publishers, c2006 **ISBN** 1-282-07420-2 9786612074202 81-224-2642-5 Edizione [Rev. 3rd ed.] Descrizione fisica 1 online resource (729 p.) Disciplina 621.402 621.402/2 621.4022 Soggetti Heat - Transmission Mass transfer 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. 712). Nota di bibliografia Cover; Preface to the Third Edition; Contents; Chapter 1. An Overview Nota di contenuto of Heat Transfer; Chapter 2. Steady State Conduction; Chapter 3. Conduction with Heat Generation; Chapter 4. Heat Transfer with Extended Surfaces (FINS); Chapter 5. Two Dimensional Steady Heat Conduction; Chapter 6. Transient Heat Conduction; Chapter 7. Convection: Chapter 8. Connective Heat Transfer-Practical Correlations-Flow Over Surfaces; Chapter 9. Forced Convection; Chapter 10. Natural Convection: Chapter 11. Phase Change Processes Boiling, Condensation Freezing and Melting; Chapter 12. Heat Exchangers Chapter 13. Thermal RadiationChapter 14. Mass Transfer Sommario/riassunto About the Book: Salient features A number of Complex problems along with the solutions are provided Objective type questions for self-evaluation and better understanding of the subject Problems related to the practical aspects of the subject have been worked out Checking the authenticity of dimensional homogeneity in case of all

derived equations Validation of numerical solutions by cross checking

Plenty of graded exercise problems from simple to complex situations are included Variety of questions have been included for the clear grasping of the basic principles Redrawing of all