



Exploring Engineering: An Introduction to Engineering and Design (Hardback)

By Robert T Balmer, William D Keat, George Wise

Elsevier Science Publishing Co Inc, United States, 2015. Hardback. Book Condition: New. 4th Revised edition. 239 x 193 mm. Language: English . Brand New Book. Exploring Engineering, Fourth Edition: An Introduction to Engineering and Design presents the emerging challenges engineers face in a wide range of areas as they work to help improve our quality of life. In this classic textbook, the authors explain what engineers actually do, from the fundamental principles that form the basis of their work to the application of that knowledge within a structured design process. The text itself is organized into three parts: Lead-On, Minds-On, Hands-On. This organization allows the authors to give a basic introduction to engineering methods, then show the application of these principles and methods, and finally present a design challenge. This book is an ideal introduction for anyone interested in exploring the various fields of engineering and learning how engineers work to solve problems. * NEW: Chapters on Aeronautical Engineering, Industrial Engineering, and Design Teams* NEW: Expanded content in the chapters Defining the Problem, Generation of Alternative Concepts , and Detailed Design * NEW: Material on sustainability issues in engineering* Introduces students to the engineering profession, emphasizing the fundamental physical, chemical,...



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