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Fundamental Principles of Nuclear Engineering Jiyang Yu, 2022-01-12 This book highlights a comprehensive and detailed introduction to the fundamental principles related to nuclear engineering As one of the most popular choices of future energy nuclear energy is of increasing demand globally Due to the complexity of nuclear engineering its research and development as well as safe operation of its facility requires a wide scope of knowledge ranging from basic disciplines such as mathematics physics chemistry and thermodynamics to applied subjects such as reactor theory and radiation protection The book covers all necessary knowledge in an illustrative and readable style with a sufficient amount of examples and exercises It is an easy to read textbook for graduate students in nuclear engineering and a valuable handbook for nuclear facility operators maintenance personnel and technical staff

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Functional and Functionally Structured Materials V Yafang Han,2021-06-22 Selected peer reviewed full text papers from the 21st Chinese Materials Conference 2020 CMC 2020 Selected peer reviewed papers from the 21st Chinese Materials Conference 2020 CMC2020 November 17 22 2020 Beijing China *Fundamentals of Engineering Thermodynamics, 8e with WileyPLUS Learning Space Registration Card* Michael J. Moran,Howard N. Shapiro,Daisie D. Boettner,Margaret B. Bailey,2015-03-23 ALERT WileyPLUS Learning Space retires on July 1 2020 which means the materials for this course will be invalid and unusable If your instructor has list this material for a course that runs after July 1 2020 please contact them immediately for clarification This package includes a copy of ISBN 9781118412930 and a registration code for the WileyPLUS course associated with the text Before you purchase check with your instructor or review your course syllabus to ensure that your instructor requires WileyPLUS For customer technical support please visit <http://www.wileyplus.com/support> WileyPLUS registration cards are only included with new products Used and rental products may not include WileyPLUS registration cards Principles of Engineering Thermodynamics 8th Edition by Moran Shapiro Boettner and Bailey continues its tradition of setting the standard for teaching students how to be effective problem solvers Now in its eighth edition this market leading text emphasizes the authors collective teaching expertise as well as the signature methodologies that have taught entire generations of engineers worldwide Integrated throughout the text are real world applications that emphasize the relevance of thermodynamics principles to some of the most critical problems and issues of today including a wealth of coverage of topics related to energy and the environment biomedical bioengineering and emerging technologies

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