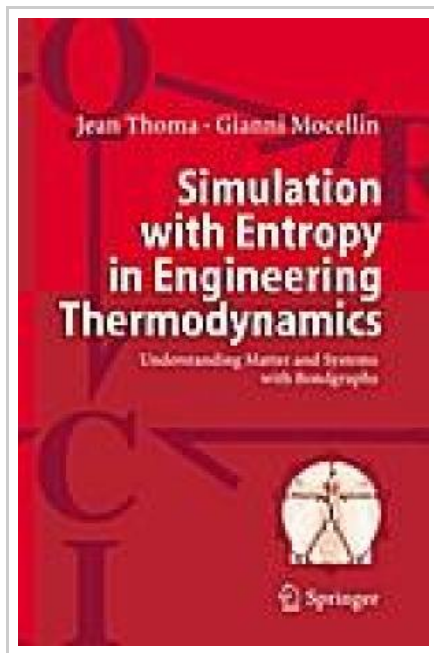


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Simulation with Entropy in Engineering Thermodynamics

By Gianni Mocellin

Springer Okt 2010, 2010. Taschenbuch. Book Condition: Neu. 235x155x8 mm. This item is printed on demand - Print on Demand Titel. - Students, academics and researchers will find this book an invaluable contribution to the understanding of thermodynamics. In this new treatment of the subject, the authors focus on the principles of thermodynamic variables and the practical simulation of thermodynamic systems, and endeavor to show how simple thermodynamics really is. It offers a unique view of modern complex systems engineering and its ramifications. Students, academics and researchers will find this book an invaluable contribution to the understanding of thermodynamics. In this new treatment of the subject, the authors focus on the principles of thermodynamic variables and the practical simulation of thermodynamic systems, and endeavour to show how simple thermodynamics really is by applying two innovations: The use of entropy as thermal charge and not as the incomprehensible Clausius integral (an idea which applies only in special cases); The use of Bond Graphs to represent relations among variables. This tool from control and systems engineering has been treated extensively in other publications by Springer, including two books by Prof. Thoma, and is succinctly explained here in an appendix. The book opens with...



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