

Understanding Non-equilibrium Thermodynamics: Foundations, Applications, Frontiers

By Georgy Lebon, David Jou

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Review

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"Understanding Non-equilibrium Thermodynamics is a self contained concise but rigorous book introducing the reader to the basic concepts of the thermodynamical process of the nature. … The up-to-date references at the end of the book are valuable … . The authors have done an excellent job in providing a clear, concise and well-presented description of the Non-equilibrium Thermodynamics. … serve as a standard text for the students and researchers in physical sciences, mechanical engineering, aerospace engineering, and chemical engineering and material sciences." (K. N. Shukla, Zentralblatt MATH, Vol. 1163, 2009)

“The book gives a comprehensive overview of the existing theories on non-equilibrium thermodynamics. … a good introduction for Ph.D. students and researchers intending to work in the field of non-equilibrium thermodynamics. … Several books on non-equilibrium thermodynamics have been published in the last several years, but the present one fills the gap of a unique text that reviews and confronts the several approaches developed, starting from different points of view on such a complex and challenging field.” (Vittorio Romano, Mathematical Reviews, Issue 2010 b)

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