



Synchronization

By Alexander Balanov

Springer-Verlag Gmbh Sep 2008, 2008. Buch. Book Condition: Neu. 244x193x30 mm. - This fascinating work is devoted to the fundamental phenomenon in physics synchronization that occurs in coupled non-linear dissipative oscillators. Examples of such systems range from mechanical clocks to population dynamics, from the human heart to neural networks. The main purpose of this book is to demonstrate that the complexity of synchronous patterns of real oscillating systems can be described in the framework of the general approach, and the authors study this phenomenon as applied to oscillations of different types, such as those with periodic, chaotic, noisy and noise-induced nature. Synchronization: From Simple to Complex is devoted to the fundamental phenomenon in physics synchronization that occurs in coupled non-linear dissipative oscillators. Examples of such systems range from mechanical clocks to population dynamics, from human heart to neural networks. The authors study this phenomenon as applied to oscillations of different nature such as those with periodic, chaotic, noisy and noise-in 426 pp. Englisch.



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