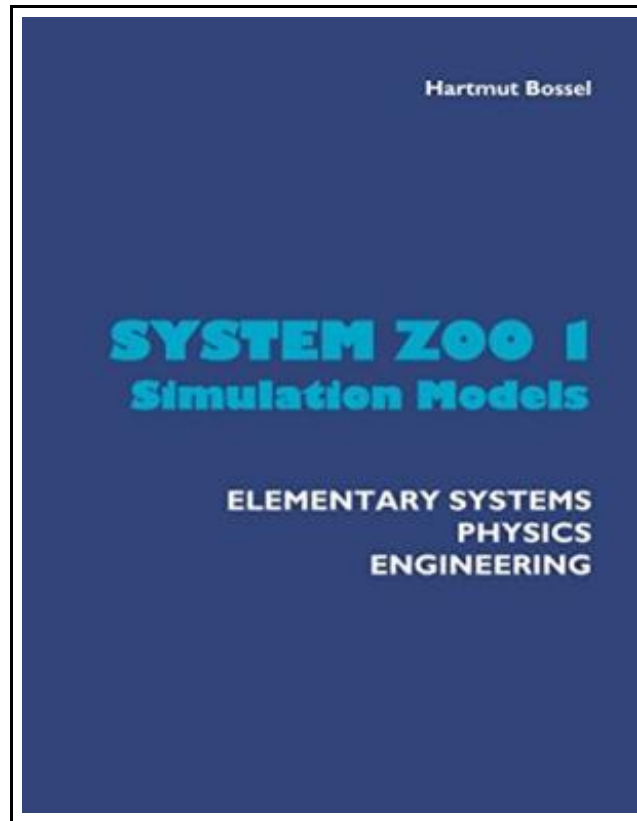


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Reviews

It is really an incredible publication which i actually have possibly read through. It really is writter in easy phrases and not confusing. Once you begin to read the book, it is extremely difficult to leave it before concluding.

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BoD. Paperback. Book Condition: New. Paperback. 184 pages. Dimensions: 9.9in. x 6.9in. x 0.6in. About the book: Mathematical modeling and computer simulation make it possible to understand and control the dynamic processes taking place in complex systems. Simulation provides insights into the often surprising diversity of possible behaviors, and allows identifying possibilities for intervention and options for alternative development. About one hundred simulation models from all areas of life are fully documented in the three volumes of the System Zoo. They can be quickly implemented and easily operated using freely available system dynamics software. Volume 1 of the System Zoo contains simulation models of elementary processes, and of complex systems from physics and engineering, among them: exponential and logistic growth, oscillations, delays, and storage; phenomena of infection, transition, and overload; complex systems with limit cycles, multiple equilibrium points and chaotic attractors; and applications from control engineering, flight dynamics, fluid flow and heat conduction. The System Zoo collection of simulation models is particularly well-suited for teaching, training, and research projects at all levels from high school to university, and for individual study. Volume 2 of the System Zoo contains simulation models related to climate, vegetation, ecosystems and resources. Volume 3 deals with systems and processes found in economy and society, and with long-term global development. About the author: Hartmut Bossel is Professor Emeritus of environmental systems analysis. He taught for many years at the University of California in Santa Barbara and the University of Kassel, Germany, where he was director of the Center for Environmental Systems Research until his retirement. He holds an engineering degree from the Technical University of Darmstadt, and a Ph. D. degree from the University of California at Berkeley. With a background in engineering, systems science, and mathematical modeling, he has led many research projects and future studies...



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