

Critical Phenomena in Natural Sciences: Chaos, Fractals, Selforganization and Disorder: Concepts and Tools // Springer Berlin Heidelberg, 2014 // Didier Sornette // 434 pages // 2014 // 9783662041758

Critical Phenomena in Natural Sciences: Chaos, Fractals, Selforganization and Disorder: Concepts and Tools. Didier Sornette. Concepts, methods and techniques of statistical physics in the study of correlated, as well as uncorrelated, phenomena are being applied ever increasingly in the natural sciences, biology and economics in an attempt to understand and model the large variability and risks of phenomena. This is the first textbook written by a well-known expert that provides a modern up-to-date introduction for workers outside statistical physics. The emphasis of the book is on a clear unde Concepts, methods and techniques of statistical physics in the study of correlated, as well as uncorrelated, phenomena are being applied ever increasingly in the natural sciences, biology and economics in an attempt to understand and model the large variability and risks of phenomena. This is the first textbook written by a well-known expert that provides a modern up-to-date introduction for workers outside statistical physics. The emphasis of the book is on a clear understanding of concepts and methods, while it also provides the tools that can be of immediate use in applications. Although th Didier Sornette (Sritical Phenomena in Natural Sciences Chaos, Fractals, Selforganization and Disorder: Concepts and Tools With 89 Figures Springer. Professor Didier Sornette Institute of Geophysics and Planetary Physics and Department of Earth and Space Sciences 3845 Slichter Hall, Box 951567 595 East Circle Drive University of California Los Angeles, CA 90095-1567, USA and Laboratoire de Physique de la Matiere Condensee CNRS UMR6622 Universite de Nice-Sophia Antipolis Faculte des Sciences, B.P. 71 06108 Nice Cedex 2, France Library of. Congress Cataloging-in-Publication Data Sornette, D, Cri...