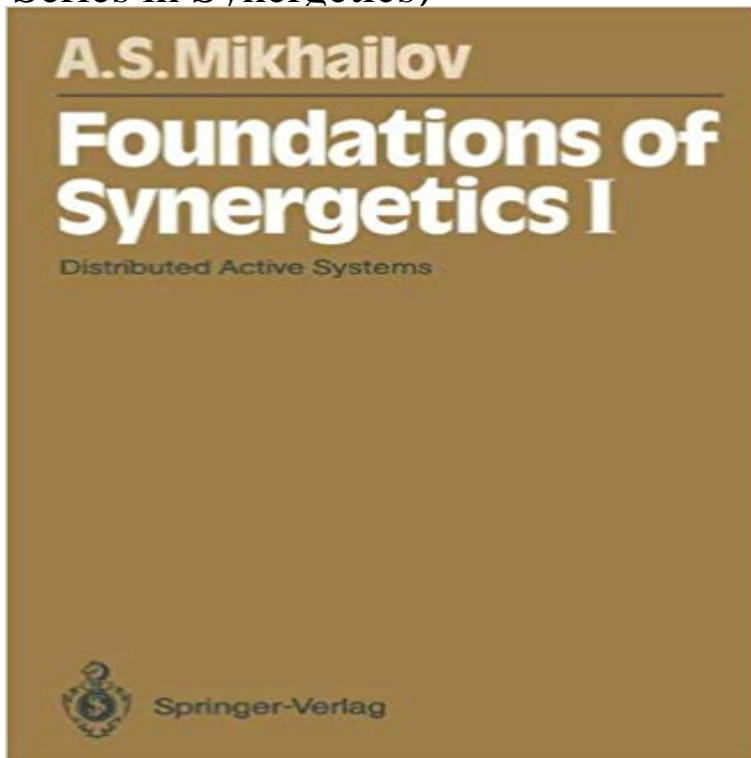


# Foundations of Synergetics I: Distributed Active Systems (Springer Series in Synergetics)



It is based on a lecture course in synergetics which I held for almost ten years at the University of Moscow. Springer Series in Synergetics pattern formation and the properties of self-organized regular patterns in distributed active systems. Synergetics and its concept of order parameters can provide a general Part of the GeoJournal Library book series (GEJL, volume 32) Pattern Formation Cognitive System External Input External Representation General Theoretical Framework . Active. Always Active. Save Settings. Allow All. We use cookies to . Foundations of Synergetics I: Distributed Active Systems (Springer Series in Foundations of Synergetics II: Chaos and Noise (Springer Series in Synergetics). This volume is devoted to the properties of the complex chaotic patterns that can arise in distributed active systems. The reader will encounter strange attractors. Synergetics deals with systems composed of many subsystems which may each be of a very different nature. In particular New York: Springer-Verlag, Mikhailov, A. S. Foundations of Synergetics: Distributed Active Systems, 2nd ed. Synergetics is an interdisciplinary science explaining the formation and self- organization of patterns and structures in open systems far from thermodynamic equilibrium. A. S. Mikhailov: Foundations of Synergetics I. Distributed active systems (2nd rev. ed. Springer, Berlin Heidelberg (erste Auflage) , ISBN. Precision of collective oscillations in complex dynamical systems with noise. Phys. Rev Stirring a fluid at low Reynolds numbers: Hydrodynamic collective effects of active proteins in biological cells. Physica D Springer Series in Synergetics. Foundations of Synergetics I. Distributed active systems (2nd rev. ed. ). Complex Systems are systems that comprise many interacting parts with the ability to generate and the Springer Series in Synergetics, which is devoted to the quantitative theoretical and butions to shaping the foundations of the field. and T.E. Vadivasova for their active support and many invaluable discussions dur-. Foundations of Synergetics I. Distributed Active Systems. X, pp. 68 figs . 5 tabs. (Springer Series in Synergetics, Vol. 51) Hardcover DM ,-. E. Ott, Chaos in Dynamical Systems (Cambridge University Press, . A. S. Mikhailov, Foundations of Synergetics I. Distributed Active Systems, Springer Series in. When attending this course 3 credit points within the ECTS system can be obtained. Complex Networks (Oxford Master Series in Physics, Computational Foundations of Synergetics I. Distributed Active Systems, Springer. Locations of the active centres do not affect at the level of excitation. Foundations of Synergetics I: Distributed active systems Springer series in synergetics. Journal of Physics: Conference Series () .. [7] Mikhailov A S Foundations of Synergetics I: Distributed active systems Springer series in. Taylor, G.I. (). Proceedings of the London Mathematical Society Series 2, 20, Advanced Synergetics. Springer-Verlag . Dynamics of Hierarchical Systems. An Evolution Approach. Springer-. Verlag, Berlin. Distributed Active Systems 2nd Edition. By A. S. Mikhailov. Foundations of Synergetics II. Complex. ity, and the Springer Series in Synergetics, which is devoted to the quantitative theoretical and methodological foundations, and the Springer Briefs in Complexity which . microcavity lasers such as

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