



Complex Systems - Operational Approaches in Neurobiology, Physics, and Computers

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Proceedings of the International Symposium on Synergetics at Schloß Elmau, Bavaria, May 6-11, 1985 | A great deal of the success of science has rested on its specific methods. One of which has been to start with the study of simple phenomena such as that of falling bodies, or to decompose systems into parts with well-defined properties simpler than those of the total system. In our time there is a growing awareness that in many cases of great practical or scientific interest, such as economics or the human brain, we have to deal with truly complex systems which cannot be decomposed into their parts without losing crucial properties of the total system. In addition, complex systems have many facets and can be looked at from many points of view. Whenever a complicated problem arises, some scientists or other people are ready to invent lots of beautiful words, or to quote Goethe "denn immer wo Begriffe fehlen, dort stellt ein Wort zur rechten Zeit sich ein" ("whenever concepts are lacking, a word appears at the right time"). Quite often such a procedure gives not only the layman but also scientists...



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