

Entropy and Information in Science and Philosophy

edited by **LIBOR KUBÁT** and **JIRÍ ZEMAN**

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This collection of papers written by outstanding Eastern and Western scientists of various disciplines delves into the interdisciplinary concept of entropy. Originally, entropy was developed as a physical and thermodynamical concept and only later was generalized as a probabilistic concept and became of very broad application in relation to information theory. Nevertheless the question of the relation and differences between physical and informational entropy remains open.

The articles in this volume are divided into three sections:

1. Entropy and information in the physical sciences; 2. Entropy and information in the life sciences; 3. General and methodological problems of entropy and information.

The volume deals with the entropy problem in the universe, physics, relativity theory and information theory. Biological, bio-economic, neurophysiological, ontological and epistemological problems of entropy and information are also discussed.

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