

MEAN-FIELD APPROACH TO NONEQUILIBRIUM
PHASE TRANSITIONS IN SYSTEMS
WITH INTERNAL AND EXTERNAL
MULTIPLICATIVE NOISES

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S u m m a r y

Noise-induced phase transitions in systems with conserved and nonconserved dynamics with both internal and external multiplicative fluctuations are considered. On the basis of the mean-field analysis, the reversible course of the ordering on a change of the internal noise intensity is revealed. With increase in the external noise intensity, a system moves to an ordered state. It is shown that internal and external fluctuations render opposite statistical actions.