

EXTERNAL-NOISE-SUSTAINED PROCESSES
OF PATTERN SELECTION OF STRUCTURES
AT THE SPINODAL DECOMPOSITION
OF A BINARY SYSTEM

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S u m m a r y

We consider the processes of pattern selection of structures in a class of nonequilibrium binary stochastic systems subjected to an external influence. A possibility for the process of selection of structures to run on the initial stages of the spinodal decomposition is demonstrated analytically and numerically. It is established that the regular and stochastic components of an external flow play opposite roles at the selection of structures and, in the general case, at the decay of systems. The analytical results are confirmed by a numerical modeling.