POIENARIU, Mihaela, IOAN, Rodica, ON THE SELF-ORGANIZING PATTERN WITH APPLICATION TO SMART MATERIALS

Abstract: The smart materials are organizing in space and time, forming a variety of complex structures, during the self-organization pattern. In this paper, we apply the Turing model in order to obtain highly structured forms from a single perturbation.

Keywords: Turing pattern, chaos, dynamical systems.

ACM/AMS Classification: 34D10