

1018-37-96

**Qiudong Wang\*** ([dwang@math.arizona.edu](mailto:dwang@math.arizona.edu)), Department of Mathematics, University of Arizona, Tucson, AZ 85721, and **Kening Lu** and **Lai-Sang Young**. *Strange Attractor for Periodically Forced Evolutionary Partial Differential Equations.*

We apply the recent theory of rank one maps (Wang and Young,2006) to prove the existence of strange attractors with SRB measures for a class of periodically forced evolutionary partial differential equations. Brusselators on interval is used as a demonstrative example. (Received February 28, 2006)