

Meeting: 1004, Bowling Green, Kentucky, SS 12A, Special Session on Partial Differential Equations and Their Applications

1004-35-238 **Xiaoming Wang*** (wxm@math.fsu.edu), Department of Mathematics, Florida State University, Tallahassee, FL 32306, and **Andrew J. Majda**, Courant Institute, New York University, New York, NY 10012. *The Emergence of Large Scale Structure Under Small Scale Random Bombardments.*

We rigorously justify the numerically observed fact of emergence of large scale coherent structure under small scale random bombardments for suitable two dimensional fluid system. (Received January 25, 2005)