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**Wilhelm Schlag\*** ([schlag@math.uchicago.edu](mailto:schlag@math.uchicago.edu)), University of Chicago, Department of Mathematics, Chicago, IL 60637. *Spectral Theory and Nonlinear PDE*.

We describe some recent work by the author on stable manifolds for orbitally unstable nonlinear evolution PDE. Some of this work is joint with Joachim Krieger. (Received September 03, 2005)