

Meeting: 1001, Evanston, Illinois, SS 4A, Special Session on Fluid Dynamics, Diffusion and Reaction

1001-35-144 **Peter Polacik***, School of Mathematics, University of Minnesota, Minneapolis, MN. *Symmetry and related properties of positive solutions of parabolic equations on R^N .*

We present theorems on asymptotic symmetry of positive bounded solutions of quasilinear parabolic equations on R^N . Symmetry of entire positive solutions and their unstable manifolds will also be discussed. (Received August 20, 2004)