1019-35-137   **Peter Bates** (`bates@math.msu.edu`), Department of Mathematics, Michigan State University, East Lansing, MI 48824, and **Jianlong Han*** (`han@suu.edu`), Department of Mathematics, Southern Utah University, Cedar City, UT 84720. *On some nonlocal phase-field equations.*

We study the existence, uniqueness and continuous dependence on initial data of the solution for some nonlocal phase-field equations. Also we discuss the numerical simulations for these equations. (Received August 12, 2006)