
JOSEPH SHOMBERG, Providence College

On non-isothermal viscous nonlocal Cahn–Hilliard equations

We will discuss a non-isothermal viscous relaxation of some nonlocal Cahn–Hilliard equations. This perturbation problem generates a family of solution operators exhibiting dissipation and conservation. The solution operators admit a family of compact global attractors that are bounded in a more regular phase-space. An upper-semicontinuity result for this family of global attractors is also sought.