

Abstract Submitted  
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**Nucleation in Polymer Blends**<sup>1</sup> EDWARD FENG, UC Berkeley — The existing theories for nucleation in polymer blends fail to capture the results of recent experiments by Balsara and coworkers. Part of the explanation for this disagreement is the thermodynamic nature of these theories which does not account for kinetic effects. In order to study effect of dynamics on nucleation, we consider a kinetic Ising model in which the total magnetization is constant, the simplest realistic model for liquid-liquid phase separation.

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