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Alain Miranville*, miranv@math.univ-poitiers.fr. *Asymptotic behavior of variants of the Cahn-Hilliard equation.*

Our aim in this talk is to discuss the qualitative behavior (existence of finite-dimensional attractors and blow up in finite time) of variants of the Cahn-Hilliard equation. Such equations arise in the context of image inpainting and biology. (Received January 06, 2014)