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Yuncheng You* (you@mail.usf.edu). *Random Attractors of Stochastic Reaction-Diffusion Systems.*

For a typical autocatalytic reaction-diffusion system with additive noise, the reversible Gray-Scott equations, the existence of a random attractor and the related robustness will be presented with comments on the asymptotic compactness for high-order nonlinearity and unbounded domain. (Received September 22, 2015)