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Junyi Tu* (junyi@mail.usf.edu), Tampa, FL 33617, and **Yuncheng You**. *Random Attractor of Stochastic Brusselator System with Multiplicative White Noise.*

Asymptotic dynamics of stochastic Brusselator system with multiplicative white noise is investigated in this work. The existence of random attractor is proved through exponential transformation of Ornstein-Uhlenbeck process, which is more challenging in the terms of *a priori* estimates than the exponential transformation of Brownian motion. Further, we show that the random attractor turns out to be a (L^2, H_0^1) random attractor (Received September 04, 2014)