

On the Existence of Global Flows of Stochastic Differential Equations

Tusheng ZHANG, *University of Manchester, UK*, E-mail: tzhang@ma.man.ac.uk

Abstract: I will present a very recent joint work with Shizan Fang and P. Imkeller. We established the existence of a global stochastic flow for stochastic differential equations without the global Lipschitz conditions on the coefficients, which gave a positive answer to the open problem.