

1164-93-42

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**Gang George Yin\*** ([gyin@uconn.edu](mailto:gyin@uconn.edu)), Department of Mathematics, University of Connecticut,  
Storrs, CT. *Stability of Stochastic Functional Differential Equations.*

We consider almost sure and  $L^p$  stability of stochastic functional differential equations. An ingredient is the use of Dupire's functional Ito formula. Conditions different from the existing literature will be presented. These conditions can be used for stabilization. We also show that a diffusion term can be used to stabilize an unstable system of deterministic differential equations with Markov switching. Certain robustness property is also examined. (Received January 07, 2021)