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M. Sambandham* (msambandham@yahoo.com), Department of Mathematics, 830 Westview Drive, Morehouse College, Atlanta, GA 30314, and **G. S. Ladde**. *Stability Analysis of Stochastic Large-Scale Approximation Scheme*. Preliminary report.

Variational comparison theorems for a class of stochastic hybrid systems are developed. These comparison results are applied to study the relative stability analysis of stochastic large-scale approximation schemes for an initial value problem in the framework of the stochastic hybrid system. Suitable examples are given to illustrate the results. (Received September 17, 2013)