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G. S. Ladde, Professor of Statistics and Mathematics, University of South Florida, Tampa, FL 33620, and M. Sambandham\* (msambandham@yahoo.com), Department of Mathematics, Morehouse College, Atlanta, GA 30314. Variation of Constants Method for Stochastic Discrete Systems. Preliminary report.

Variation of constants methods for stochastic discrete systems are presented. We apply these methods to study the stability properties of basic stochastic discrete systems. (Received September 16, 2007)