

An Introduction To Numerical Simulation For Trade Theory And Policy

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NUMERICAL SIMULATION OF SDEs545. %CHAIN Test stochastic Chain Rule. % Solve SDE for V(X) = sqrt(X) where X solves. % dX = (alpha - X) dt + beta sqrt(X) dW, X(0) = Xzero, % with alpha = 2, beta = 1 and Xzero = 1. % Xem1 is Euler-Maruyama solution for X. % Xem2 is Euler-Maruyama solution of SDE for V from Chain Rule.

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