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J Santanilla*, University Of New Orleans, Department of Mathematics, New Orleans, LA 70121.

Positive solutions for nonlinear stochastic differential equations. Preliminary report.

In certain population and biological models it is natural to study positive solutions for the associated equations. Typically those equations are nonlinear differential equations of various types and frequently they involve some randomness. We discuss the question of existence of positive solutions for nonlinear stochastic differential equations. (Received September 18, 2013)