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Jairo Santanilla*, 2000 Lakeshore Dr., University of New Orleans, Department of Mathematics, New Orleans, LA 70148. *A system of Stochastic Difference Equations Modeling Terrorism*. Preliminary report.

In recent years there has been a great deal of interest in applications of the classical Lanchester equations to terrorism modeling. These equations have been improved by considering a system of stochastic differential equations. In this talk we consider a system of stochastic differential equations modeling terrorism and transform this system to one of stochastic difference equations. (Received September 22, 2010)