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Indranil SenGupta* (indranil.sengupta@ndsu.edu), Department of Mathematics, NDSU
Dept # 2750, Minard Hall 408E12, Fargo, ND 58108-6050, and **Semere Habtemicael**. *Volatility,
Variance and Covariance swaps for Lévy process driven financial market.*

The variance, volatility and covariance swaps are financial tools which help for volatility hedging and speculation. In this presentation, we consider Lévy driven stochastic volatility models to price various swaps. Numerical evaluations of variance and volatility swaps for both Gaussian and Non-Gaussian models will be presented. It will be shown that such models have much better error margins than classical models such as Heston model. (Received January 16, 2015)