1145-60-137   **Po-Keng Cheng***, 50 avenue Tony Garnier, ISFA, Laboratoire SAF EA2429, F-69366, 69366 Lyon, France, and **Frédéric Planchet**. *Stochastic deflator for an economic scenario generator with five factors.*

In this paper, we implement a stochastic deflator with four economic and financial risk factors: interest rates, stock prices, default intensities, and convenience yields. We examine the deflator with different financial assets, such as stocks, zero-coupon bonds, vanilla options, and corporate coupon bonds. Our numerical results show the reliability of the deflator approach in pricing financial derivatives. (Received August 08, 2018)