

1038-60-229

**Oana Mocioalca\*** (oana@math.kent.edu), Department of Mathematical Sciences, P.O. Box 5190, Kent, OH 44242, and **Vilen Abramov** and **Kazim Khan**. *Trading the line strategy using fractional Brownian motion.*

In the last few years it has been shown that stock prices, in fact, show a strong long term memory. Brownian motion does not have this property, therefore some practitioners prefer to use fractional Brownian motion in their models. We present a model for trading the line strategy (one of the most popular trading strategies among investors), describing the distribution of the associated stopping times. (Received February 11, 2008)