Quantitative Finance > Pricing of Securities

Fractional processes as models in stochastic finance

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(Submitted on 19 Apr 2010)

We survey some new progress on the pricing models driven by fractional Brownian motion \cb{or} mixed fractional Brownian motion. In particular, we give results on arbitrage opportunities, hedging, and option pricing in these models. We summarize some recent results on fractional Black & Scholes pricing model with transaction costs. We end the paper by giving some approximation results and indicating some open problems related to the paper.

Comments:	To appear in Advanced Mathematical Methods for Finance (Eds. G Di Nunno and B {\O}ksendal Series in Mathematical Finance
	Springer)
Subjects:	Pricing of Securities (q-fin.PR) ; Probability (math.PR); Computational Finance (q-fin.CP)
MSC classes: Cite as:	91B28, 91B70, 60G15, 60H05 arXiv:1004.3106v1 [q-fin.PR]

Submission history

From: Esko Valkeila [view email] [v1] Mon, 19 Apr 2010 06:46:59 GMT (26kb)

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