Understanding the complex dynamics of financial markets through microsimulation

Qiu, G.

Publication date
2011

Glossary

ABS	Agent-based simulation
ACF	Autocorrelation function
AR	Arbitrageur
ARCH	Autoregressive conditional heteroscedasticity
ATM	At-the-money
BFS	Butterfly spread (an arbitrage condition)
BS	Black-Scholes
BSPR	Butterfly spread (a speculative strategy)
CA	Cellular automaton
CAPM	Capital asset pricing model
CEV	Constant elasticity of variance
DAX	Deutscher Aktien Index (a German stock index)
DSPR	Directional spread
EMH	Efficient markets hypothesis
EU	Expected utility
GARCH	Generalized autoregressive conditional heteroscedasticity
ITM	In-the-money
IV	Implied volatility
MS	Microsimulation
OTM	Out-of-the-money
PCA	Principal component analysis
PCP	Put-call parity
PDF	Probability density function
SABR	Stochastic alpha, beta, rho
SD	Simple directional
SP	Speculator
S&P 500	The Standard and Poor's 500 (a stock market index)