

STOCHASTIC CORRELATION IN ASSET MANAGEMENT

L. A. Seco, Department of Mathematics, University of Toronto. seco@math.utoronto.ca

A. Reuss, Technische Universität München, Garching, Germany. andreas.reuss@gmx.de

P. Olivares, Department of Mathematics, Ryerson University, Toronto, Canada. pablo.olivares@ryerson.ca

R. Zagst, Technische Universität München, Garching, Germany. zagst@tum.de

This talk will review models for asset dependence, which capture fat tails and skewness, and take into account distinct market regimes. Special focus will be given to an α -stable regime-switching model, which allows for asymmetries in the dependence structure also. It will also discuss empirical implications in risk management and portfolio selection.