

Joint Statistics Seminar

The Hong Kong University of Science and Technology

MARC-MARS: Modeling Asset Returns via Conditional Multivariate Asymmetric Regime-Switching

by

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Date: December 12, 2011 (Monday)

Time: 11:00 a.m. – 12:00 noon

Venue: Room 3311 (near Lift 17/18)

Abstract

A new multivariate regime-switching model for asset returns is motivated and studied. It allows for volatility clustering, excess kurtosis, asymmetry, and dynamics in the dependency between assets over time. It nests several models previously proposed in the literature, and is demonstrated to outperform them in out-of-sample exercises. A new estimation procedure is developed which is far faster than existing methods, and thus crucial for use with a large number of assets.

❖ *All interested are welcome!* ❖
For details, please contact ISOM Department.