

SCMS Seminar



A NEW LOOK ON C^* -SIMPLICITY AND THE UNIQUE TRACE PROPERTY

Speaker: Prof. Mikael Rørdam
University of Copenhagen

Time: 14:00 p.m.-15:00 p.m., Friday, June 3, 2016

Venue: Room 2201, East Guanghua Tower (Main), Fudan University

Abstract: This is a report on work done by Uffe Haagerup in the spring of 2015 which gives a new way of looking at the recent results by Breuillard, Kalantar, Kennedy and Ozawa about when the reduced group C^* -algebra is simple, respectively, has the unique trace property.

$$b_i = \frac{\sum_{j=1}^{i-1} a_{ij} x_j^{(k)} + \sum_{j=i+1}^n a_{ij} x_j^{(k)}}{\sum_{j=1}^n a_{ij} x_j^{(k)}}$$

$$\Delta y_i = \int_{x_i}^{x_{i+1}} y' dx = \frac{a_{ij} x_j^{(i)} - (\sum_{j=1}^{i-1} a_{ij} x_j^{(i)} + \sum_{j=i+1}^n a_{ij} x_j^{(i)})}{\sum_{j=1}^n a_{ij} x_j^{(i)}}$$

$$\int_{x_k}^{x_{k+1}} f(x, y) dx = \int_{x_k}^{x_{k+1}} y' dx = y(x)$$

$$\sqrt{(y_n + 0.5\tau k_1)^2 + (t_n + 0.5\tau)^2}$$