

The Workshop on Structured Tensors

Date: 17 January, 2014

Venue: R503, The Hong Kong Polytechnic University

Sponsors: JRI PolyU and CMIV HKBU

Organizers: Michael Ng and Liqun Qi

Each talk includes 10 minute discussion time

Session One 9:30-11:10

Chairman: Liqun Qi

9:30-10:20

Talk One: Speaker: Yimin Wei; Title: The inverse, rank and product of tensors

10:20-11:10

Talk Two: Speaker: Wen Li; Title: The perturbation bound for the Perron vector of a transition probability tensor

Session Two 2:30-4:00

Chairman: Lars Elden

2:30-3:20

Talk Three: Speaker: Liqun Qi; Title: Hankel tensors: Associated Hankel matrices and Vandermonde decomposition

3:20-4:00

Talk Four: Speaker: Weiyang Ding; Title: Fast Hankel tensor-vector product and higher-order Takagi factorization

Session Three 4:20-6:00

Chairman: Changqing Xu

4:20-5:10

Talk Five: Speaker: Zhongming Chen; Title: Circulant tensors: Native eigenvalues and symmetrization

5:10-6:00

Talk Six: Speaker: Michael Ng; Title: New Definition of Tensor Eigenvalues and an Application to Toeplitz tensors