



Workshop on Scientific Computing

August 8, 2019

Room 210, Run Run Shaw Building, HKU

9:30 – 10:00	<p>Jia Zhigang (Jiangsu Normal University) <i>Quaternion Generalized Minimal Residual Method with Application to Color Image Deblurring</i></p>
10:00 – 10:30	<p>Zeng Chao (Hong Kong Baptist University) <i>l_p Minimization for Image Restoration</i></p>
10:30 – 11:00	<p>Wu Tingting (Nanjing University of Posts & Telecommunications) <i>Sparsity Reconstruction using Nonconvex TGpV-Shearlet Regularization and Constrained Projection</i></p>
<i>Coffee Break</i>	
11:20 – 11:50	<p>Cui Lubin (Henan Normal University) <i>The New Preconditioners Used for Accelerating the Rate of Convergence in the Tensor Splitting Iterations Method</i></p>
11:50 – 12:20	<p>Ding Weiyang (Hong Kong Baptist University) <i>Monotone Plus Skew-Symmetric Splitting Methods for Composite Convex Optimization</i></p>
12:20 – 12:50	<p>Lin Xuele (Hong Kong Baptist University) <i>Two-Sided Optimal Preconditioners for All-at-Once Linear System from Time-Fractional Sub-Diffusion Equations</i></p>
<i>Lunch Break</i>	
14:30 - 15:00	<p>Song Guangjiang (Weifang University) <i>Riemannian Conjugate Gradient Descent Method for Tensor Completion</i></p>
15:00 - 15:30	<p>Zhang Xiongjun (Central Normal University) <i>Robust Tensor Completion Using Transformed Tensor SVD</i></p>
15:30 - 16:00	<p>Liu Ye (Hong Kong Baptist University) <i>Tucker Decomposition Network: Expressive Power and Comparison</i></p>
<i>Coffee Break</i>	
16:20 - 16:50	<p>Chang Huibin (Tianjin Normal University) <i>Iterative Chemical Mapping for X-ray Spectroscopic Ptychography with (incomplete) Dictionary</i></p>
16:50 - 17:20	<p>Wang Wei (Tongji University) <i>Structural Similarity based Nonlocal Variational Model for Image Restoration</i></p>
17:20 – 17:50	<p>Zhuang Lina (Hong Kong Baptist University) <i>Hyperspectral Image Denoising Based on Global and Non-local Low-rank Factorizations</i></p>