Bing Tan

Master student

Institute of Fundamental and Frontier Sciences
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Research Interests

Optimization algorithms, theory, applications

Variational inequality

Image Processing

Education

2018 – 2021 **Masters of Mathematic**, *Institute of Fundamental and Frontier Sciences*, University of Electronic Science and Technology of China, China.
Supervisor: Prof. Songxiao Li and Prof. Xiaolong Qin

2014 – 2018 **Bachelor of Mathematic**, *School of Science*, Southwest Petroleum University, China.

Publications

Journal papers

JNCA **Bing Tan**, Shanshan Xu, Songxiao Li*. Inertial shrinking projection algorithms for solving hierarchical variational inequality problems. Accepted by Journal of Nonlinear and Covnex Analysis (2020)

JNCA Yinglin Luo, **Bing Tan***, A self-adaptive inertial extragradient algorithm for solving pseudo-monotone variational inequality in Hilbert spaces. Accepted by Journal of Nonlinear and Covnex Analysis (2020)

Preprints

JNCA Liya Liu, **Bing Tan**. On the resolution of variational inequality problems with a double-hierarchical structure. Submitted to Journal of Nonlinear and Covnex Analysis

JAAC Zheng Zhou, **Bing Tan**, Songxiao Li*. An inertial shrinking projection algorithm for split common fixed point problems. Submitted to Journal of Applied Analysis and Computation

JAAC **Bing Tan**, Zheng Zhou, Xiaolong Qin*. Accelerated projection-based forward-backward splitting algorithms for monotone inclusion problems. Submitted to Journal of Applied Analysis and Computation

NFAO Jingjing Fan, Xiaolong Qin*, **Bing Tan**. Convergence of an inertial shadow Douglas-Rachford splitting for monotone inclusions. Submitted to Numerical Functional Analysis and Optimization

Mathematics Zheng Zhou*, **Bing Tan**, Songxiao Li, Xiaolong Qin. Self-adaptive-type algorithms for solving split equality problems. Submitted to Mathematics

Mathematics Yinglin Luo, **Bing Tan**, Meijuan Shang*. A general inertial viscosity type method for nonexpansive mappings and its applications in signal processing. Submitted to Mathematics

MMA Zheng Zhou, **Bing Tan**, Songxiao Li*, Xiaolong Qin. A new accelerated self-adaptive step-size algorithm with excellent stability for split common fixed point problems. Submitted to Mathematical Methods in the Applied Sciences

Awards

2019 First-class scholarship of University of Electronic Science and Technology of China

2018 Second-class scholarship of University of Electronic Science and Technology of China

Computer skills

MATLAB, LaTeX, Microsoft Office

Updated by January 12, 2020