Bing Tan

PhD student

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Biography

Bing Tam is currently pursuing a PhD at the University of Electronic Science and Technology of China. His research interests include variational inequalities, optimization algorithms, theory, and applications. So far he has published or received seven papers. His computer skills include: MATLAB, Python, LaTeXand so on.

Education

University of Electronic Science and Technology of China Sep 2018 – Jul 2021
Master of Applied Mathematic GPA:3.74/4.0 Chengdu, China

- Supervisor: Prof. Songxiao Li and Prof. Xiaolong Qin.

Southwest Petroleum University Sep 2014 – Jul 2018
Bachelor of Applied Mathematics GPA:3.96/5.0 Chengdu, China

Publications

Journal Papers

- **Bing Tan**, Zheng Zhou, Xiaolong Qin*. Accelerated projection-based forward-backward splitting algorithms for monotone inclusion problems. *J. Appl. Anal. Comput.* 2020, in press. (physlab.org).
- Zheng Zhou*, **Bing Tan**, Songxiao Li. An inertial shrinking projection algorithm for split common fixed point problems. *J. Appl. Anal. Comput.* 2020, in press.
- **Bing Tan**, Shanshan Xu, Songxiao Li*. Modified inertial hybrid and shrinking projection algorithms for solving fixed point problems. *Mathematics* 2020, 8(2), 236.
- Yinglin Luo, Meijuan Shang*, **Bing Tan**. A general inertial viscosity type method for nonexpansive mappings and its applications in signal processing. *Mathematics* 2020, 8(2), 288.
- **Bing Tan**, Shanshan Xu, Songxiao Li*. Inertial shrinking projection algorithms for solving hierarchical variational inequality problems. *J. Nonlinear Convex Anal.* 2020, in press.
- Yinglin Luo, **Bing Tan***, A self-adaptive inertial extragradient algorithm for solving pseudomonotone variational inequality in Hilbert spaces. *J. Nonlinear Convex Anal.* 2020, in press.
- Liya Liu*, **Bing Tan**, Sun Young Cho*. On the resolution of variational inequality problems with a double-hierarchical structure. *J. Nonlinear Convex Anal.* 2020, 21(2): 377–386.

E-Preprints

- Jingjing Fan, Xiaolong Qin*, **Bing Tan**. Convergence of an inertial shadow Douglas-Rachford splitting for monotone inclusions. Submitted to *Numerical Functional Analysis and Optimization*.
- **Bing Tan**, Songxiao Li, Xiaolong Qin*. Strong convergence of inertial Mann algorithms for solving hierarchical fixed point problems. Submitted to *Applicable Analysis*.