LI HAITIAN

Personal Data

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Research interest

▷ Derivative-free optimization

- Especially on direct-search methods

Work Experience

Nov 2020-Jun 2021	Research assistant at AMA, The Hong Kong Polytechnic University Supervised by Dr. Zaikun Zhang

Education

Sep 2015-Jun 2019	Bachelor's Degree in Mathematics and Applied Mathematics **Jilin University**, Changchun, China
Sep 2019-Jun 2021	Master's Degree in Financial Engineering **The Chinese University of Hong Kong, Shenzhen**, Shenzhen, China
Sep 2021-May 2023	PhD Student in Applied Mathematics **The Hong Kong Polytechnic University**, Hong Kong SAR, China Supervisor: Dr. Zaikun Zhang Co-supervisor: Prof. Xiaojun Chen
Jun 2021-Jan 2025	PhD Candidate in Applied Mathematics **The Hong Kong Polytechnic University**, Hong Kong SAR, China Supervisor: Dr. Zaikun Zhang Co-supervisor: Prof. Xiaojun Chen
Feb 2025-Present	PhD Candidate in Applied Mathematics **The Hong Kong Polytechnic University**, Hong Kong SAR, China Supervisor: Prof. Xiaojun Chen Co-supervisor: Prof. Zaikun Zhang

Talks

Nov 2023	Blockwise Direct-Search methods The 9th Graduate Forum of Mathematical Programming Branch of Operations Research of China, Chongqing, China
Jun 2024	Blockwise Direct-Search methods ASA2024, Xinxiang, China
Jun 2024	Blockwise Direct-Search methods The 2nd Derivative-free Optimization Symposium (DFOS), Padova, Italy
Jul 2024	Blockwise Direct-Search methods (Represented by Dr. Zaikun Zhang) The 25th International Symposium on Mathematical Programming, Montréal, Canada
Oct 2024	Blockwise Direct-Search methods ORSC2024, Guiyang, China

Software

- BDS: a Matlab package for solving unconstrained optimization problems without using derivatives, https://github.com/blockwise-direct-search/bds

- BDS: a python package for solving unconstrained optimization problems without using derivatives, https://github.com/blockwise-direct-search/bds_python

Languages

Mandarin:	Mothertongue
English:	Professional