HANJU WU

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 $wuhanju@connect.hku.hk \diamond hanju-wu.github.io$

RESEARCH INTERESTS

Mathematical optimization especially Riemannian optimization

EDUCATION

B.Sc. in Mathematics, Sun Yat-sen University

2019 - 2023

CGPA: 4.1/5.0 (91/100)

Major GPA: 4.3/5.0 (93/100)

Thesis: Complexity of two-metric projection method for Bound-constrained Optimization Ac

Advisor: Dr Yue Xie

M.Phil. in Mathematics, The University of Hong Kong

2023 - 2025

SKILLS

Writing LATEX

BICMR, Peking University

Programming C, C++, MATLAB, Julia

Language Mandarin, Cantonese, English(IELTS 6.5)

EXPERIENCE

Research Intern

July 2022 - September 2022

Supervisor: Prof. Zaiwen Wen

• Software implementation for proximal gradient methods

Research Assistant

June 2023 - Dec 2023 Supervisor: Dr Yue Xie

Department of Mathematics, The University of Hong Kong

PUBLICATION

Conference paper published:

• Hanju Wu and Yue Xie, A Study on Two-Metric Projection Methods, 2024 Informs Optimization Society Conference

Work in progress:

- Hanju Wu and Yue Xie, Two-Metric Adaptive Projection Methods: a superlinear convergence algorithm with manifold identification for ℓ_1 -norm regulization problem
- Hanju Wu and Yue Xie, Complexity of Two-Metric Projection Methods

HONORS AND AWARDS(SELECTED)

• First-Class Scholarship(top 5%)

Sun Yat-sen University

• First Prize Contemporary Undergraduate Mathematical Contest in Modeling

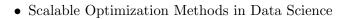
• Postgraduate Scholarship (441,360 HKD)

The University of Hong Kong

TEACHING

• Summer Course IDSS 2301

Teaching Assistant HKU IDS



 $\begin{array}{c} {\rm Teaching\ Assistant} \\ {\rm HKU\ IDS} \end{array}$