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Ph.D. Student in Computational and Mathematical Engineering, admitted
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 Curriculum Vitae available Online

Bio

LINKS

- Google Scholar: https://scholar.google.com/citations?user=4IDkX_YAAAAJ&hl=en
- Website: <https://web.stanford.edu/~gwz/index.html>

Publications

PUBLICATIONS

- **Scalable approximate optimal diagonal preconditioning** *COMPUTATIONAL OPTIMIZATION AND APPLICATIONS*
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2026
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- **Algorithm 1055: HSDP: Software for Semidefinite Programming** *ACM TRANSACTIONS ON MATHEMATICAL SOFTWARE*
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- **Gradient Methods with Online Scaling**
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- **An Enhanced Alternating Direction Method of Multipliers-Based Interior Point Method for Linear and Conic Optimization** *INFORMS JOURNAL ON COMPUTING*
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2024
- **Optimal Diagonal Preconditioning** *OPERATIONS RESEARCH*
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- **OptiMUS: Scalable Optimization Modeling with (MI)LP Solvers and Large Language Models**
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- **Minibatch and Momentum Model-based Methods for Stochastic Weakly Convex Optimization**

Deng, Q., Gao, W.

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