



黄鸣

副教授

硕士生导师

[huangming0224@dlnu.edu.cn](mailto:huangming0224@dlnu.edu.cn)

#### 教育背景

大连理工大学理学博士（2015）  
大连理工大学理学学士（2008）

#### 研究领域

非光滑优化，特征值优化

#### 代表性成果

论文类：

(1)The space decomposition theory for a class of eigenvalue optimizations, Computational Optimization and Applications, (2014) 58 (2), 423–454 (SCI)

(2)A Second-Order Bundle Method Based on UV-Decomposition Strategy for a Special Class of Eigenvalue Optimizations, Numerical Functional Analysis and Optimization, (2016) 37(5), 554-582 (SCI)

(3)The bundle scheme for solving arbitrary eigenvalue optimizations. Journal of Industrial and Management Optimization, (2017)13(2), 659–680. (SCI)

(4)A Fast Space-decomposition Scheme for Nonconvex Eigenvalue Optimization, Set-Valued and Variational Analysis, (2017) 25(1), 43–67. (SCI)

(5)A space decomposition scheme for maximum eigenvalue functions and its applications, Mathematical Methods of Operations Research, (2017)85(3), 453-490.(SCI)

(6)The space decomposition theory for a class of semi-infinite maximum eigenvalue optimizations, Abstract and Applied Analysis, Volume 2014, Article ID 845017, 12 pages, DOI 10.1155/2014/845017 (SCI)

(7)UV-theory of a class of semidefinite programs and its applications, Acta Mathematicae Applicatae Sinica (English Series) (SCI) (Accepted)

代表性项目

(1)国家自然科学基金数学天元基金, 11626053, 求解非光滑半无限规划问题的理论研究与算法实现, 2017/01-2017/12, 已结题, 主持。

(2)国家自然科学基金青年基金, 11701063, 求解几类特征值优化问题的理论研究与算法实现, 2017/08-2020/12, 在研, 主持。

(3)中国博士后科学基金, 2016M601296, 求解H无穷控制合成的非光滑二阶VU分解方法, 2016/01-2018/12, 在研, 主持。