石洛宜个人简介

石洛宜，男，1980 年出生，博士，教授，博士生导师。主要从事算子理论与算子代数方面的研究，在 amenable 算子以及*-amenable 算子的结构与性质方面取得一系列的研究成果。研究方向为基础数学、泛函分析、算子理论与算子代数、非线性泛函分析。电子邮箱为 shiluoyitjpu@163.com

教育背景

2007/09 － 2010/06	吉 林 大 学	数 学 研 究 所	博士研究生
2004/09 － 2007/06	吉 林 大 学	数 学 研 究 所	硕士研究生
2000/09 － 2004/06	河 南 科 技 大 学	数 学 系	本科生

工作经历

2018/12—至今	天津工业大学	数学科学学院	教授
2017/9 － 2018.12	天 津 工 业 大 学	理 学 院 应 用 数 学 系	副教授
2017/3 － 2017.9	台 湾 国 立 中 山 大 学	理 学 院	访问学者
2013/11 － 2017.3	天 津 工 业 大 学	理 学 院 应 用 数 学 系	副教授
2010/07 － 2013/11	天 津 工 业 大 学	理 学 院 应 用 数 学 系	讲师

主要承担项目

主持完成国家自然科学基金项目 2 项；
主持天津市人才项目 2 项；
参与完成国家自然科学基金 3 项；
参与在研国家自然科学基金面上基金 1 项；
参与完成天津市高等学校科技发展基金 1 项；
参与在研天津市创新团队 1 项。

主要论文著作

[1] Luoyi Shi*, Yujing Wu, Invariant and hyperinvariant subspaces for amenable operators, Journal of Operator Theory, 69 (1), 87--100 , 2013.

[2] Luoyi Shi* and Yujing Wu, The amenable operators of the form normal plus compact, Integr. Equ. Oper. Theory, 78, 79--89, 2014.

[3] Luoyi Shi* and Youqing Ji, An Example of Weakly Amenable and Character Amenable Operators, Illinois Journal of Mathematics, 55(4), 1415--1422, 2013.

[4] Luoyi Shi, Rudong Chen* and Yujing Wu, Delta-convergence problems for asymptotically nonexpansive mappings in CAT(0) spaces, Abstract and Applied Analysis, Volume 2013, No. 251705.

[5] Luoyi Shi, Rudong Chen* and Yujing Wu, An iterative algorithm for the split equality and multiple-sets split equality problem, Abstract and Applied Analysis, Volume 2014, Article ID 620813, 5 pages,http://dx.doi.org/10.1155/2014/620813.

[6] Luoyi Shi and Rudong Chen*, Strong convergence of Viscosity approximation methods for nonexpansive mappings in CAT(0) spaces, Journal of Applied Mathematics, 2012(1), 1--11, 2012, doi: 10.1155/2012/421050.

[7] Youqing Ji and Luoyi Shi*, Amenable Operators on Hilbert Space, Houston Journal of Mathematics,38(4), 1165--1183. 2012.

[8] Hasan Pourmahmood Aghababa , Luoyi Shi* and Yujing Wu, Generalized notions of Character Amenability，Acta Mathematica Sinica, English Series , 29(7),1329--1350, 2013.

[9] Yujing Wu, Rudong Chen* and Luoyi Shi, Strong convergence Theorems for Variational inequalities and split equality problem, Journal of Function Spaces and Applications， Volume 2013, Article ID 151906, 7 pages doi /10.1155/2013/151906.

[10] Luoyi Shi, Rudong Chen* and Yujing Wu, An iterative algorithm for the split equality and multiple-sets split equality problem, Abstract and Applied Analysis, Volume 2014, Article ID 620813, 5 pages http://dx.doi.org/10.1155/2014/620813.

[11] Luoyi Shi, Rudong Chen* and Yujing Wu, Iterative algorithms for finding the zeroes of sums of operators, Journal of Inequalities and Applications 2014, 2014:349 (8 September 2014) doi.10.1186/1029-242X-2014-349.16pp.

[12] Yujing Wu, Rudong Chen* and Luoyi Shi, Split equality problem and multiple-sets split equality problem for quasi-nonexpansive multi-valued mappings, Journal of Inequalities and Applications 2014, 2014:428,8pp.

[13]Shi, Luo Yi; Chen, Rudong; Wu, Yujing Strong convergence of iterative algorithms for the split equality problem. J. Inequal. Appl. 2014, 2014:478, 19 pp. 47J25 (47J20).

[14] Tian, Dianlu; Shi, Luoyi; Chen, Rudong Iterative algorithm for solving the multiple-sets split equality problem with split self-adaptive step size in Hilbert spaces. J. Inequal. Appl. 2016, 2016:34, 9 pp.

[15]Tian, Dian Lu; Shi, Luo Yi; Iterative algorithms for split equality problem and multiple-sets split equality problem. (Chinese) Acta Anal. Funct. Appl. 18 (2016), no. 1, 68–75. 47J25

[16]Zhao, Ying; Shi, Luoyi; Chen, Rudong; Convergence analysis of an iterative algorithm for the extended regularized nonconvex variational inequalities. J. Inequal. Appl. 2017, 2017:87, 13 pp.

[17]Zhao, Ying, Shi, Luoyi Strong convergence of an extragradient-type

algorithm for the multiple-sets split equality problem. J. Inequal. Appl. 2017, 2017:52, 11 pp.

[18]Wu, Yujing; Shi, Luoyi Projection and contraction methods for constrained convex minimization problem and the zero points of maximal monotone operator. J. Nonlinear Sci. Appl. 10 (2017), no. 2, 637–646.

[19] Luoyi shi, Zhu sen, Amenability, Similarity and Approximation, Integr. Equ. Oper. Theory, 2017, 89, 289-300.

[20]Wu, Yujing; Shi, Luoyi *,Chen Rudong, Projection algorithms with dynamic stepsize for constrained composite minimization. J. Nonlinear Sci. Appl. 11 (2018), 927–936.

[21] Luo-Yi Shi, Qamrul Hasan Ansari, Jen-Chih Yao & Ching-Feng Wen, Linear convergence of gradient projection algorithm for split equality problems, Optimization, 67(12),2347-2358, 2018.

[22] Tingting Tian; luoyi shi*; Rudong Chen, Linear convergence of the relaxed gradient projection algorithm for solving the split equality problems in Hilbert spaces, Journal of Inequalities and Applications, (2019) 2019:80, doi.org/10.1186/s13660-019-2026-6.

[23] Tian, Tingting; Shi, Luoyi; Chen, Rudong, Linear Convergence of an Iterative Algorithm for Solving the Multiple-Sets Split Feasibility Problem, MATHEMATICS, 卷: 7 期: 7 文献号: 644 出版年: JUL 2019, 1-13.

[24] Dianlu Tian*,Lining Jiang, Luoyi Shi, Gradient Methods with Selection Technique for the Multiple-Sets Split Equality Problem , MATHEMATICS, 卷: 7 , 文献号: 928 出版年: 2019, 1-10.

[25] Shijie Sun, Meiling Feng and Luoyi Shi*, Convergence rate analysis of an iterative algorithm for solving the multiple-sets split equality problem, Journal of Inequalities and Applications, (2019) 2019:277,https://doi.org/10.1186/s13660-019-2219-z.

[26] Shi Luoyi, Sen Zhu*, On Algebras Generated by a Partial Isometry, Complex Analysis and Operator Theory, 13(8),3825--3835,2019.

[27] Ting Wang, Ying Chen, Wenxia Dong, Yong Liu, Luoyi Shi , 1Rudong Chen and Tiandi Pan, Fractal Characteristics of Porosity of Electrospun Nanofiber Membranes, Mathematical Problems in Engineering, vol. 2020, Article ID 2503154, 8 pages, 2020. https://doi.org/10.1155/2020/2503154.

[28] D. R. Sahu, Luoyi Shi, Ngai-Ching Wong & Jen-Chih Yao, Perturbed iterative methods for a general family of operators: convergence theory and applications, Optimization 2020, DOI: 10.1080/02331934.2020.1745798.

成果及荣誉

2017 年入选天津市高校"中青年骨干创新人才培养计划";

2017 年入选天津市"131"创新型人才培养工程第二层次;

2013 年获天津市教育系统"教工先锋岗"称号;

2013 年入选天津市"131"创新型人才培养工程第三层次。

社会兼职

目前担任《Mediterranean Journal of Mathematics》、《Annals of Functional

Analysis》、《Linear and Multilinear Algebra》、《Optimization》等 10 多种期刊审稿人，美国《数学评论》应邀评论员。天津市数学会副理事长。