MathSciNet使用方法

数学及数学交叉学科科研利器

图书馆参考咨询部 李梅

目录

CONTENTS

1 MathSciNet简介

2 出版物检索

3 作者检索

4 期刊检索

5 引用检索

1 MathSciNet简介

Introduction

1 MathSciNet简介

- 《数学评论》（Mathematical Reviews）1940年创刊，内含对数学、统计学与计算科学领域出版物的摘要和评论内容。MathSciNet 是《数学评论》网络版。
- MathSciNet收录超过300 万篇文章书籍，超过2000种期刊，其中70%的文献提供DOI链接，最早记录已回溯至1800s。
- MathSciNet为全球超100万名学者提供同行交流平台，为每名学者创建了个人信息页，并将同一学者的不同署名做了归一化处理。
- MathSciNet为每篇文献的作者机构做了唯一标识，也将机构的合并、变更历史等予以记录，方便读者按机构、国别、城市检索。

1 MathSciNet简介

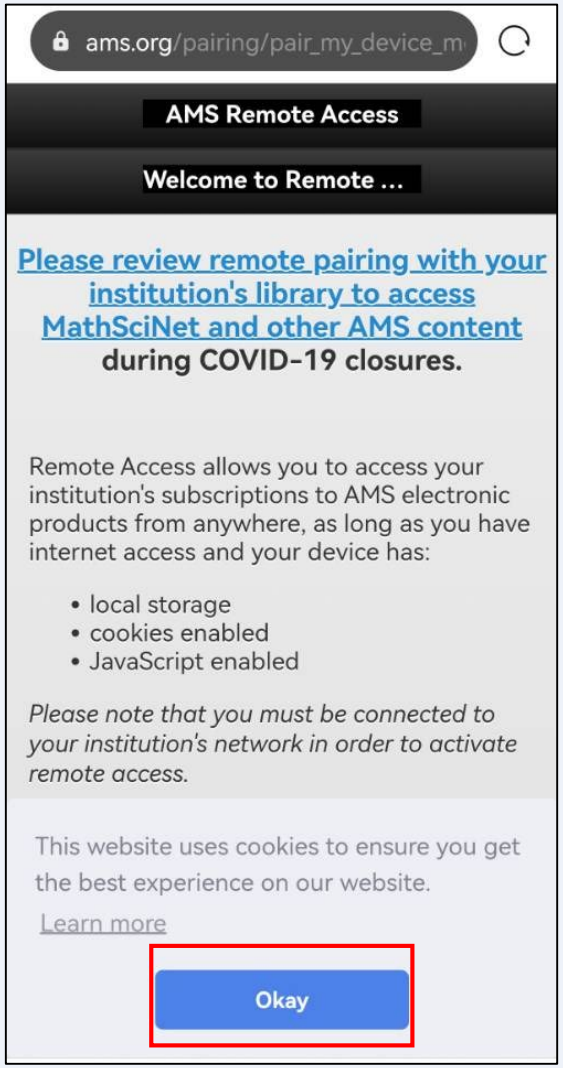
MathSciNet网址：https://mathscinet.ams.org/mathscinet

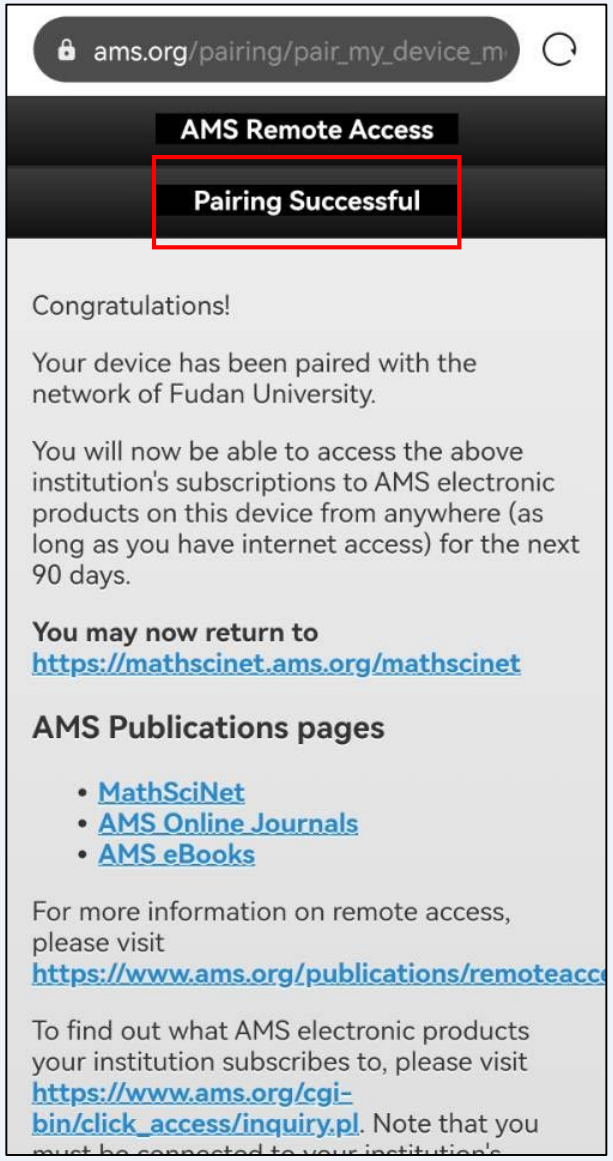
网络环境要求：

1. 校园网直接IP认证，无需登录；
2. 校外需要使用校外访问连接方式；
3. MathSciNet提供远程访问(remote access)方式，个人终端设备在校内IP环境下设置成功后，校外可以不用重新设置网络而正常使用MathSciNet（90天内）。

1 Remote Access设置

注意：在校园网IP环境下进行配对设置



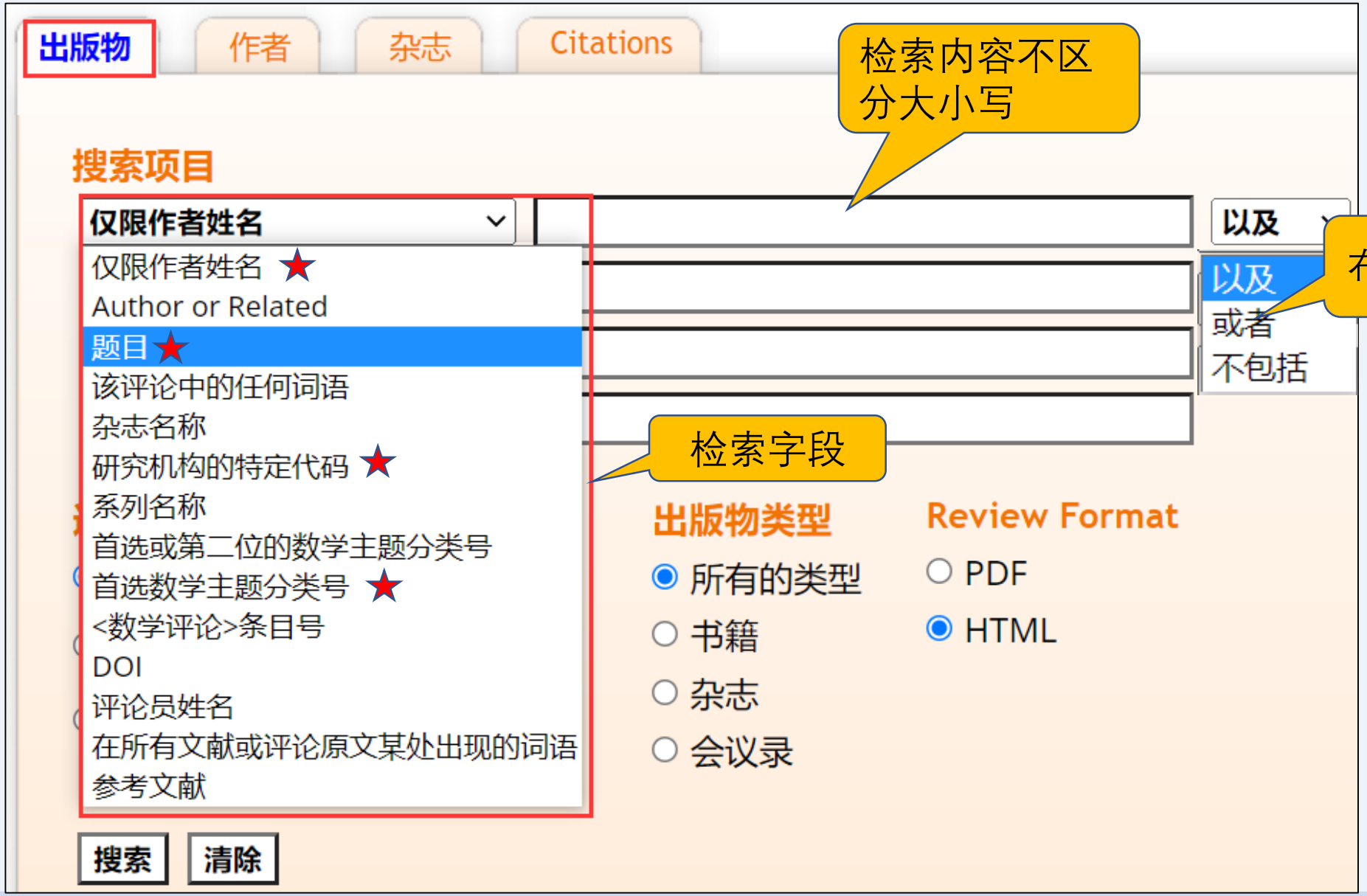


1 MathSciNet主页面

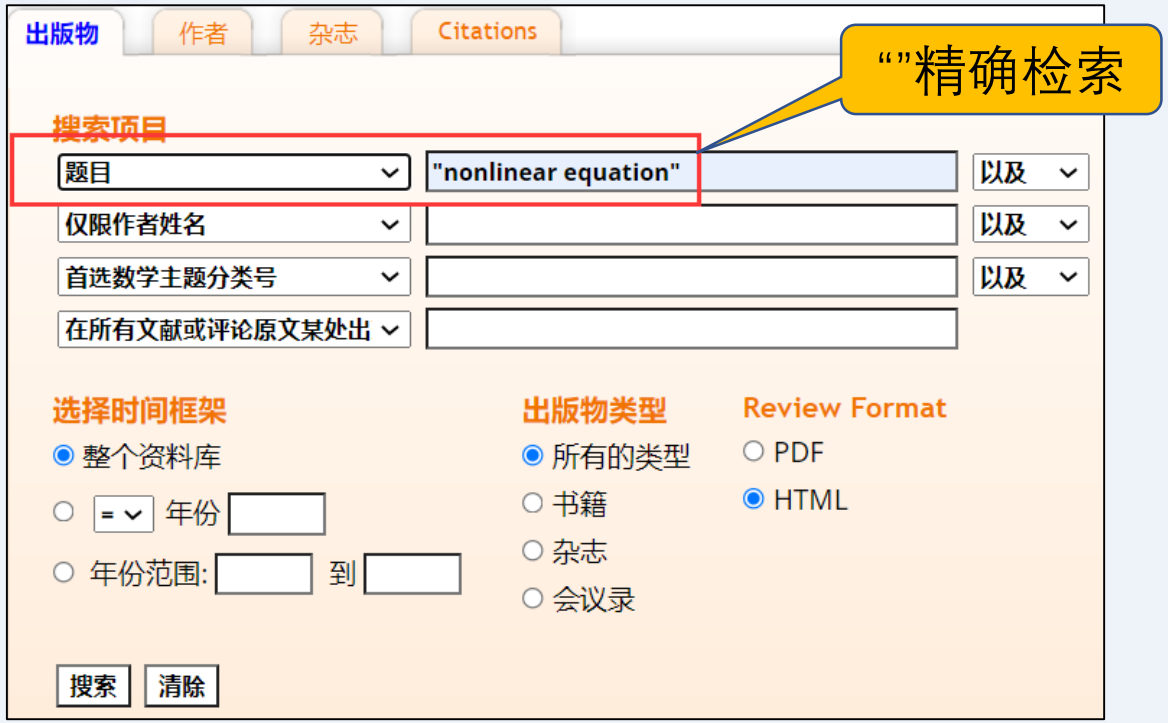
2 出版物检索

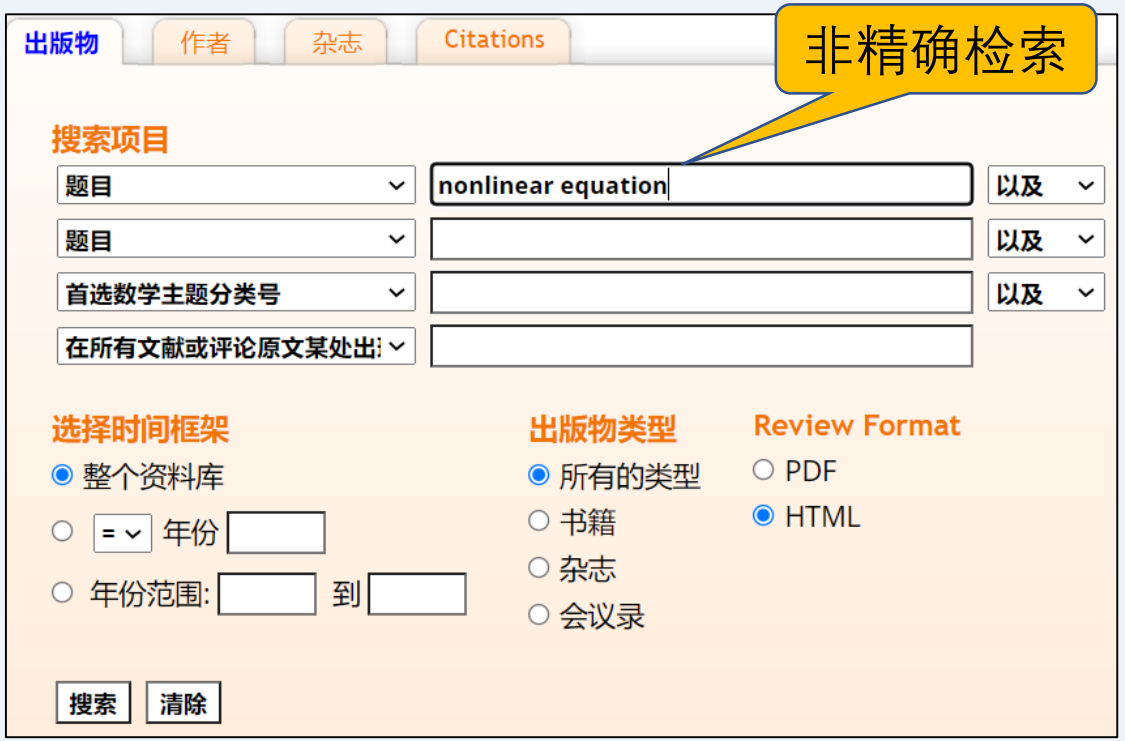
Publications

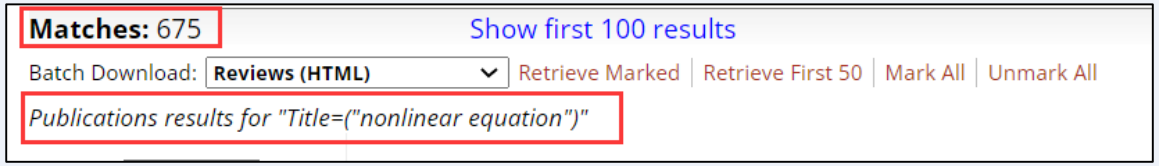
2 出版物检索——题目字段检索

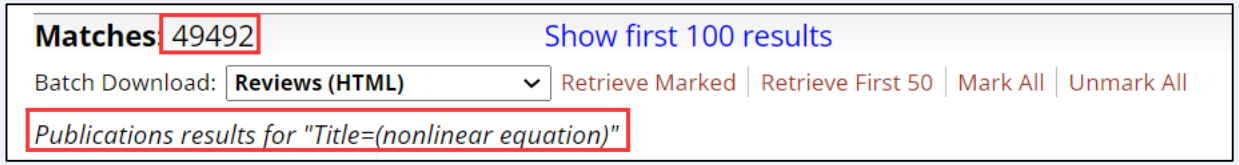


2 出版物检索——题目字段检索



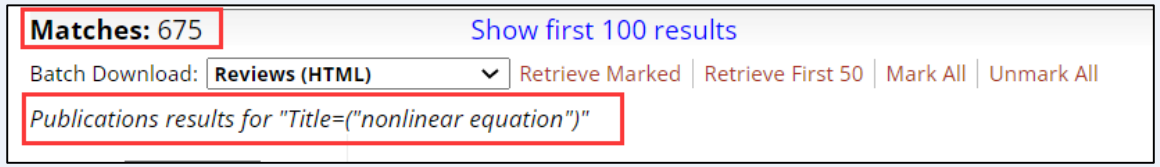


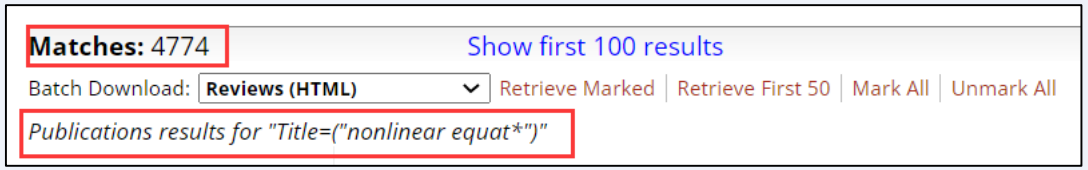




- 注意“”精确检索符的应用
- 精确检索符要用半角格式

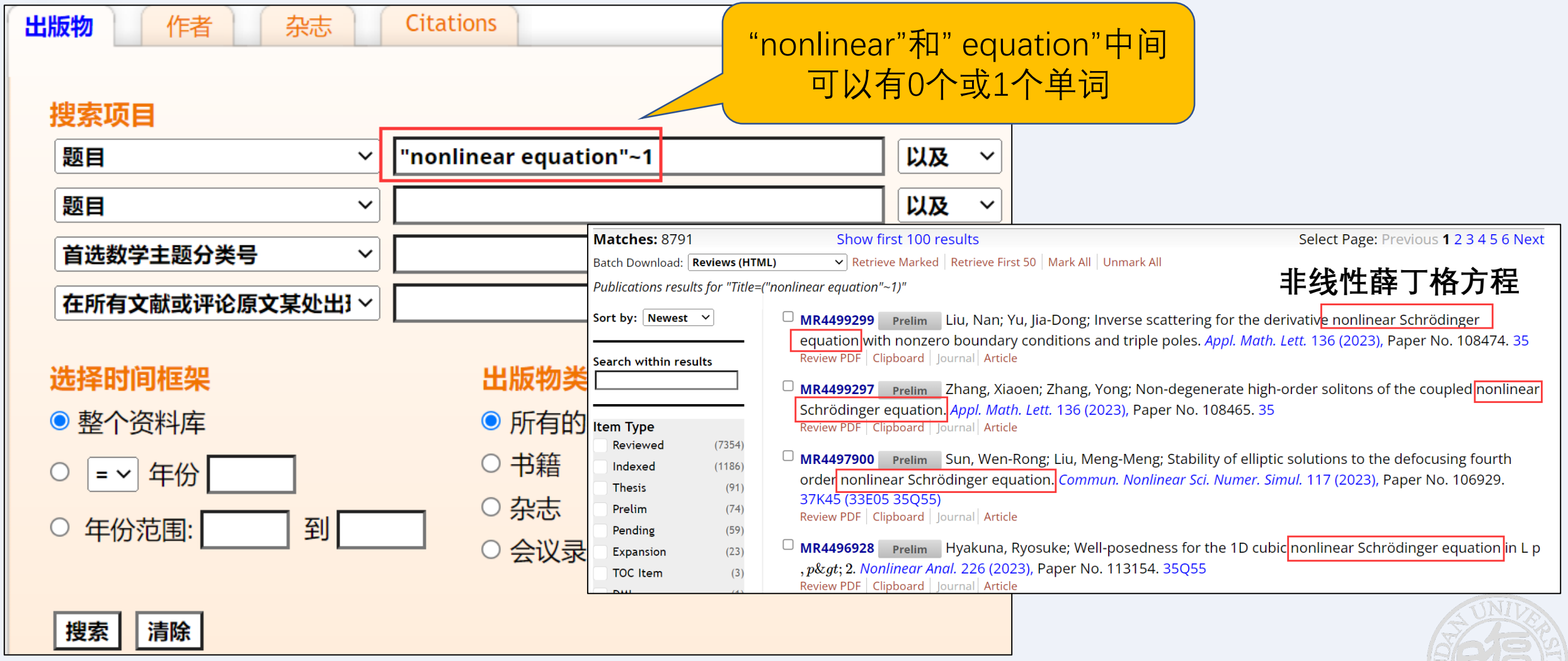
2 出版物检索——题目字段检索





注意*截词符的应用

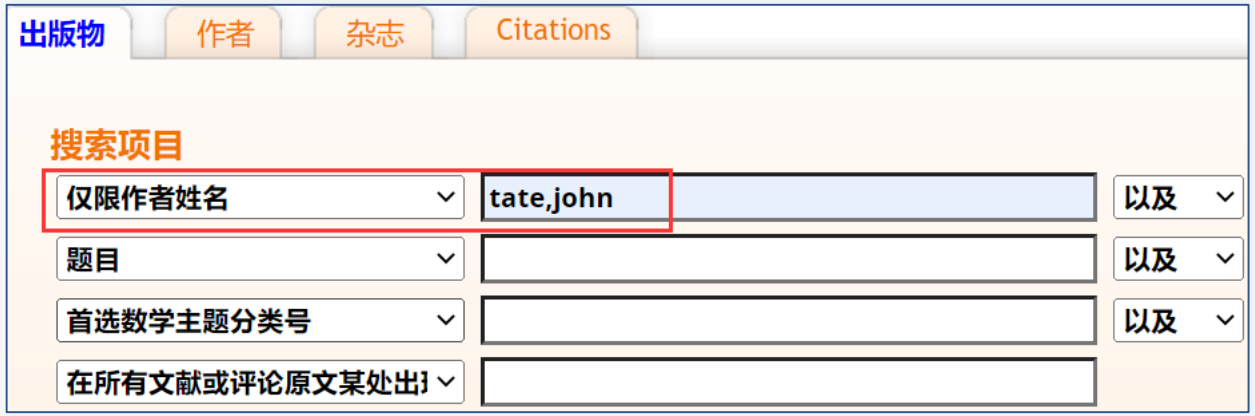
2 出版物检索——题目字段检索

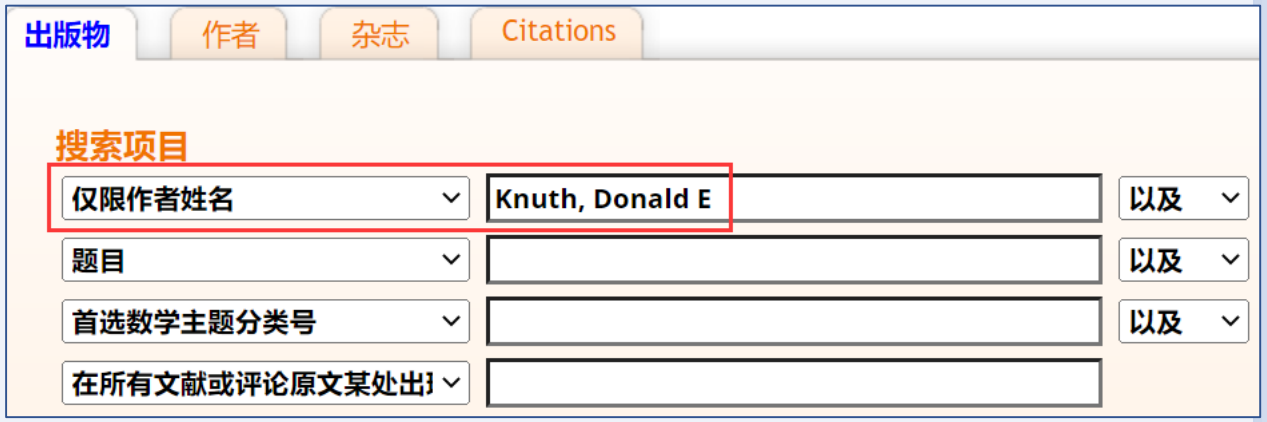


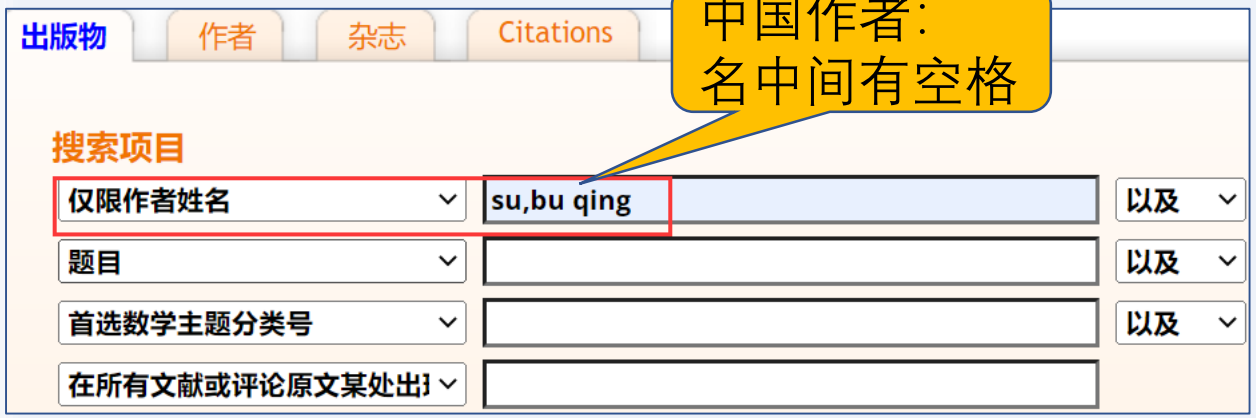
注意""~（0-9）**近似检索**的应用

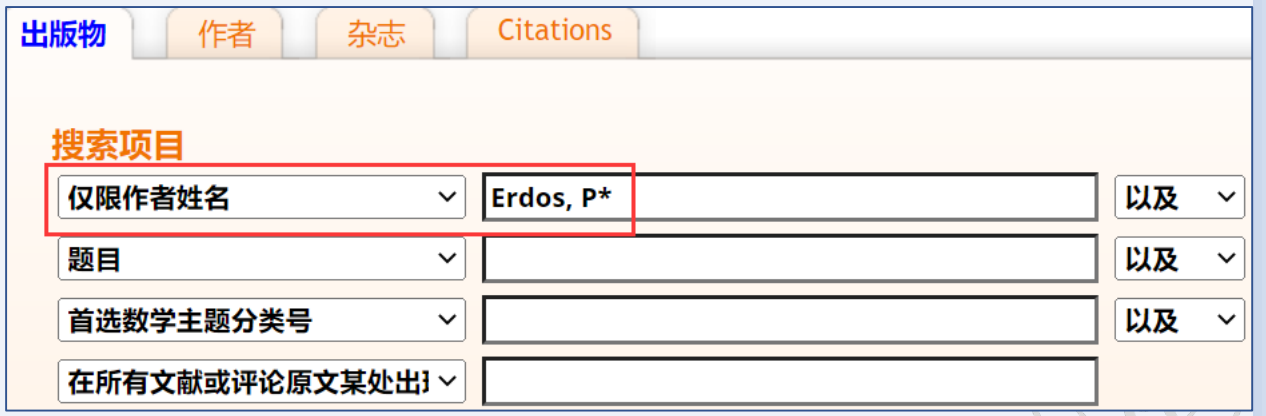
2 出版物检索——作者字段检索

- 姓+名+中间名/缩写
- 需要用逗号分隔姓和名
- 可以使用*截词符



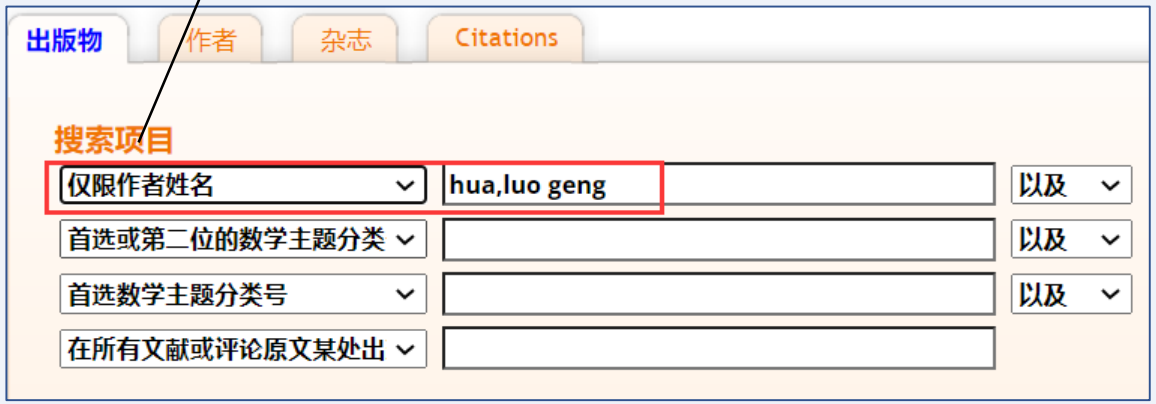


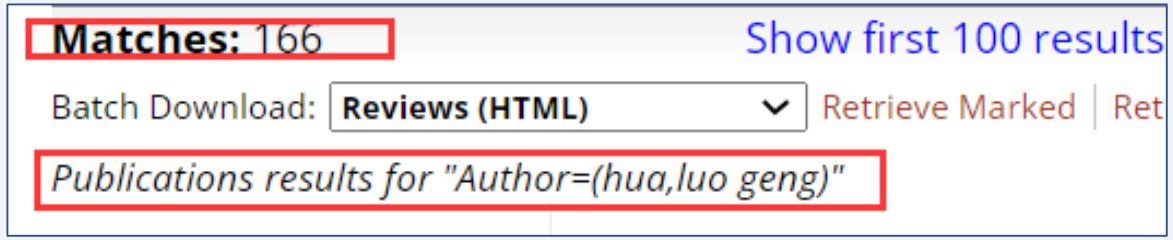




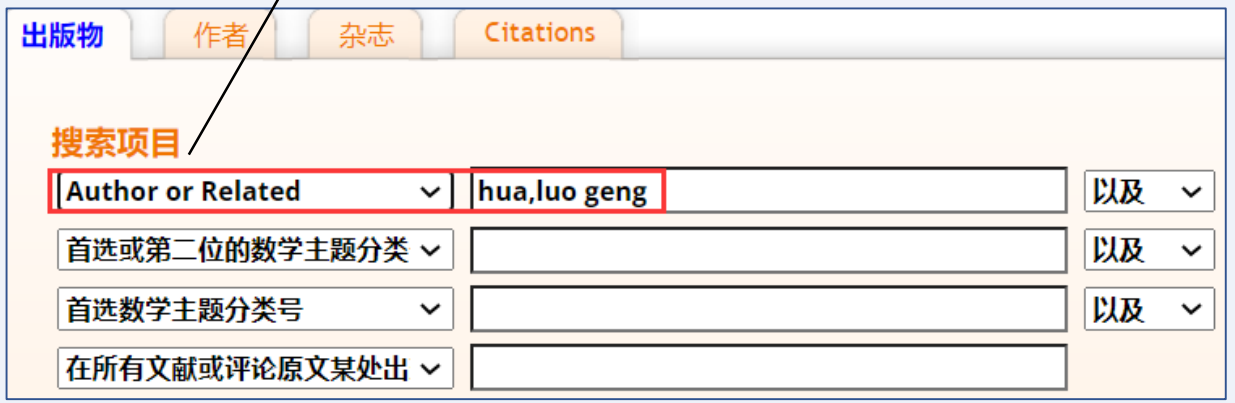
2 出版物检索——作者字段检索

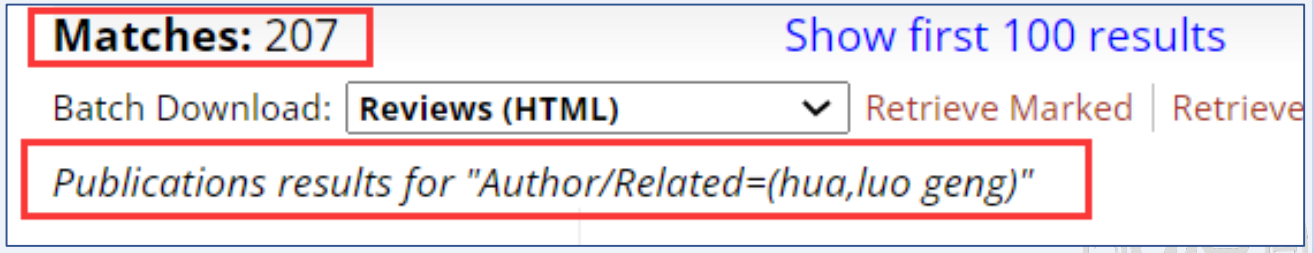
表示检索结果为该作者的所有成果（图书+文章）





表示检索结果不限于该作者的所有成果（图书+文章），也包括翻译、编辑等出版物。





2 出版物检索——机构代码字段检索

2 出版物检索——机构代码字段检索

帮助

A Guide to Searching with MathSciNet

Publications Search Help Topics

Select search field(s)
Enter search criteria
Select a time frame
Select a document type
Set your preferences
Activate the search

Select search field(s)

Following is a list of the 13 fields to select from:

Field Name	What it Searches
Author	Author's name only
Author/Related	Author's name plus editors, translators etc.
Title	Title of original article
Review Text	Any text in the body of the review
Journal	Journal name
Institution Code	The code assigned to a specific institution
Series	Series name
MSC Primary/Secondary	Primary or secondary Mathematics Subject Classification
MSC Primary	Primary Mathematics Subject Classification
MR Number	Number of item in MathSciNet
Reviewer	Reviewer's name
Anywhere	All of the bibliographic, classification, and review information
References	All reference lists

机构代码查询地址：

www.ams.org/instcode/

Math Reviews Institution Codes and Addresses Lookup

Institution Code:
Institution Name: fudan university
State (US): Choose a State
Country:
Start Search Clear Screen

2 出版物检索——机构代码字段检索

Matches for: Name=fudan university

[PREV_LIST] [CURR_LIST] [NEXT_LIST] Items: **1 - 100 of 140**

PRC-FUDAN

Department of Mathematics
Fudan University
Shanghai
PEOPLES REPUBLIC OF CHINA

PRC-FUDAN-AA

Department of Aeronautics and Astronautics
Fudan University
Shanghai 200433
PEOPLES REPUBLIC OF CHINA

PRC-FUDAN-AD

Accounting Department, School of Management
Fudan University
Shanghai 200433
PEOPLES REPUBLIC OF CHINA

PRC-FUDAN-AET

Academy for Engineering and Technology
Fudan University
Shanghai 200433
PEOPLES REPUBLIC OF CHINA

出版物 | 作者 | 杂志 | Citations

机构代码结合截词符

搜索项目

研究机构的特定代码	PRC-FUDAN*	或者
题目		或者
仅限作者姓名		或者
杂志名称		

选择时间框架

- 整个资料库
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Publications results for "Institution=(PRC-FUDAN)"*

2 出版物检索——机构代码字段检索

Math Reviews Institution Codes and Addresses Lookup

Institution Code:
Institution Name: fudan university math*
State (US): Choose a State
Country:
Start Search | Clear Screen

Matches for: Name=fudan university math*

[PREV_LIST] [CURR_LIST] [NEXT_LIST] Items: **1 - 27** of **27**

PRC-FUDAN
Department of Mathematics
Fudan University
Shanghai
PEOPLES REPUBLIC OF CHINA

PRC-FUDAN-F
College of Mathematical Sciences
Fudan University
Shanghai 200433
PEOPLES REPUBLIC OF CHINA

PRC-FUDAN-SM
School of Mathematical Sciences
Fudan University
Shanghai 200433
PEOPLES REPUBLIC OF CHINA

复旦大学
数学学院

PRC-FUDAN-CMS
Shanghai Center for Mathematical Sciences
Fudan University
Shanghai 200433
PEOPLES REPUBLIC OF CHINA

PRC-FUDAN2-CMS
Shanghai Center for Mathematical Sciences
Fudan University, Jiangwan Campus
Shanghai 200438
PEOPLES REPUBLIC OF CHINA

上海数学中心

2 出版物检索——机构代码字段检索

MathSciNet中
复旦大学数学学院发文

出版物 | 作者 | 杂志 | Citations

搜索项目

研究机构的特定代码	PRC-FUDAN	或者
研究机构的特定代码	PRC-FUDAN-F	或者
研究机构的特定代码	PRC-FUDAN-SM	以及
在所有文献或评论原文某处出		

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- 年份范围: 到

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Search within results

Item Type
- Reviewed (3746)
- Indexed (424)
- Pending (67)
- Prelim (11)
- Expansion (7)

Institutions
- School of Mathematic... Sciences, Fudan University (2992)
- Department of Mathematic... Fudan University (2237)

MR4447780 Prelim Li, Wang; Dai, Haifeng; Zhao, Lingzhi; Zhao, Donghua; Sun, Yongzheng; Noise-induced consensus of leader-following multi-agent systems. *Math. Comput. Simulation* 203 (2023), 1–11.
Review PDF | Clipboard | Journal | Article

MR4486408 Prelim Liu, Changli; Xue, Jungong; Li, Ren-Cang; On nonlinear matrix equations from the first standard form. *Ann. Math. Sci. Appl.* 7 (2022), no. 2, 169–191. 15A24 (15A22 65F45)
Review PDF | Clipboard | Journal | Article

MR4484943 Prelim Sun, Xingping; Zhou, Xuan; Stochastic quasi-interpolation with Bernstein polynomials. *Mediterr. J. Math.* 19 (2022), no. 5, Paper No. 240, 20 pp. 60G20 (41A17 41A35 60H30)
Review PDF | Clipboard | Journal | Article

MR4484269 Prelim Ding, Lijia; Wang, Kai; The L^p-L^q boundedness and compactness of Bergman type operators. *Taiwanese J. Math.* 26 (2022), no. 4, 713–740. 47G10 (47A30 47B07)
Review PDF | Clipboard | Journal | Article

MR4477922 Prelim Chen, Ke; Liu, Jie Weak solutions of the three-dimensional hypoviscous elastodynamics with finite kinetic energy. *J. Differential Equations* 339 (2022), 637–665. 35D30 (35Q35)
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MR4477845 Prelim Tang, Chaoliang; Wu, Hehui; Zhang, Shengtong; Zheng, Zeyu On the Turán number of the linear 3-graph C_{13}. *Electron. J. Combin.* 29 (2022), no. 3, Paper No. 3.46, 6 pp. 05C35 (05C65 05D05)
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2 出版物检索——MSC字段检索

5 MSC（数学主题分类）

主页
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杂志
Citations
搜索项目
仅限作者姓名
以及
题目
以及
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01 History and biography
02 Logic and foundations (not currently valid)
03 Mathematical logic and foundations
04 Set theory (not currently valid)
05 Combinatorics
06 Order, lattices, ordered algebraic structures
08 General algebraic systems
09 Classical algebra (not currently valid)
10 Number Theory (not currently valid)
11 Number theory
12 Field theory and polynomials
13 Commutative rings and algebras
14 Algebraic geometry
15 Linear and multilinear algebra, matrix theory
16 Associative rings and algebras
17 Nonassociative rings and algebras
18 Category theory, homological algebra
19 K-theory

5 MSC (数学主题分类)

一级分类

35 (1940-now) Partial differential equations

35A (1973-now) General topics in partial differential equations

三级分类

35A01 (2010-now) Existence problems for PDEs: global existence, local existence, non-existence
35A02 (2010-now) Uniqueness problems for PDEs: global uniqueness, local uniqueness, non-uniqueness
35A08 (1980-now) Fundamental solutions to PDEs
35A09 (2010-now) Classical solutions to PDEs
35A10 (1973-now) Cauchy-Kovalevskaya theorems
35A15 (1973-now) Variational methods applied to PDEs
35A16 (2010-now) Topological and monotonicity methods applied to PDEs
35A17 (2010-now) n context of PDEs
35A18 (2010-now) s in context of PDEs
35A20 (1973-now) Analyticity in context of PDEs
35A21 (2000-now) Singularity in context of PDEs
35A22 (1973-now) Transform methods (e.g., integral transforms) applied to PDEs
35A23 (2010-now) Inequalities applied to PDEs involving derivatives, differential and integral operators, or integrals
35A24 (2010-now) Methods of ordinary differential equations applied to PDEs
35A25 (1973-now) Other special methods applied to PDEs
35A27 (1980-now) Microlocal methods and methods of sheaf theory and homological algebra applied to PDEs [See also 32C38, 58J15]
35A30 (1973-now) Geometric theory, characteristics, transformations in context of PDEs [See also 58J70, 58J72]
35A35 (1973-now) Theoretical approximation in context of PDEs {For numerical analysis, see 65Mxx, 65Nxx}
35A99 (1973-now) None of the above, but in this section

35B (1973-now) Qualitative properties of solutions to partial differential equations

二级分类

35B05 (1973-now) Oscillation, zeros of solutions, mean value theorems, etc. in context of PDEs
35B06 (2010-now) Symmetries, invariants, etc. in context of PDEs
(2010-now) Axially symmetric solutions to PDEs
(2010-now) Entire solutions to PDEs
(2010-now) Positive solutions to PDEs
35B10 (1973-now) Periodic solutions to PDEs
35B15 (1973-now) Almost and pseudo-almost periodic solutions to PDEs
35B20 (1973-now) Perturbations in context of PDEs
35B25 (1973-now) Singular perturbations in context of PDEs
35B27 (1991-now) Homogenization in context of PDEs; PDEs in media with periodic structure [See also 74Q05, 74Q10, 76M50, 78M40, 80M40]
35B30 (1973-now) Dependence of solutions to PDEs on initial and/or boundary data and/or on parameters of PDEs [See also 37Cxx]
35B32 (1980-now) Bifurcations in context of PDEs [See also 34C23, 34F10, 34H20, 37F46, 37Gxx, 37H20, 35J20, 37L10, 37M20, 47J15, 58E05, 58E07, 58J55, 74G60, 74H60]
35B33 (2000-now) Critical exponents in context of PDEs
35B34 (2000-now) Resonance in context of PDEs [See also 34F15, 70J40, 70K28, 70K30, 81U24]
35B35 (1973-now) Stability in context of PDEs [See also 34Dxx, 37B25, 37C20, 37C75, 37F15, 37J25, 37K45, 37L15, 49K40, 58K25, 93Dxx]

5 MSC（数学主题分类）

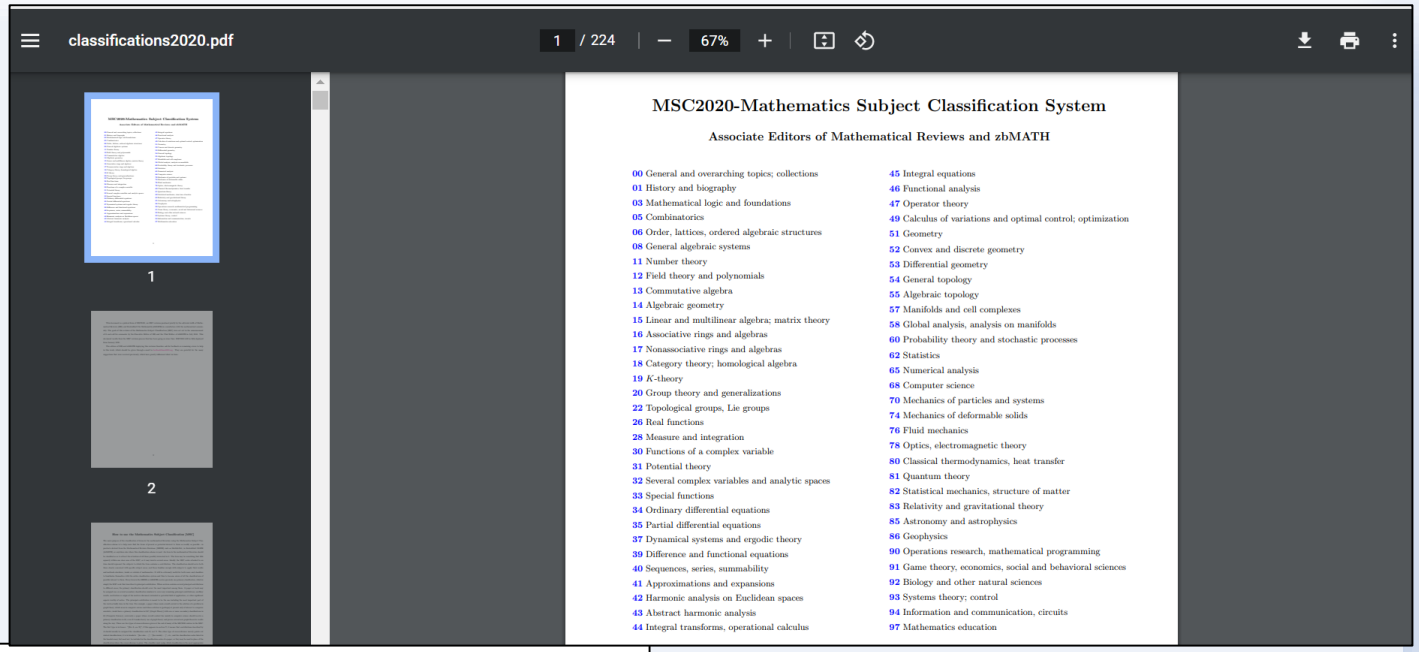
MSC results for ""partial differential equations""

35 (1940-now) Partial differential equations

35A (1973-now) General topics in partial differential equations

35A01 (2010-now) Existence problems for PDEs: global existence, local existence, non-existence
35A02 (2010-now) Uniqueness problems for PDEs: global uniqueness, local uniqueness, non-uniqueness
35A08 (1980-now) Fundamental solutions to PDEs
35A09 (2010-now) Classical solutions to PDEs
35A10 (1973-now) Cauchy-Kovalevskaya theorems
35A15 (1973-now) Variational methods applied to PDEs
35A16 (2010-now) Topological and monotonicity methods applied to PDEs
35A17 (2000-now) Parametrices in context of PDEs
35A18 (2000-now) Wave front sets in context of PDEs
35A20 (1973-now) Analyticity in context of PDEs
35A21 (2000-now) Singularity in context of PDEs
35A22 (1973-now) Transform methods (e.g., integral transforms) applied to PDEs
35A23 (2010-now) Inequalities applied to PDEs involving derivatives, differential and integral operators, or integrals
35A24 (2010-now) Methods of ordinary differential equations applied to PDEs
35A25 (1973-now) Other special methods applied to PDEs
35A27 (1980-now) Microlocal methods and methods of sheaf theory and homological algebra applied to PDEs [See also 32C38, 58J15]
35A30 (1973-now) Geometric theory, characteristics, transformations in context of PDEs [See also 58J70, 58J72]
35A35 (1973-now) Theoretical approximation in context of PDEs {For numerical analysis, see 65Mxx, 65Nxx}
35A99 (1973-now) None of the above, but in this section

5 MSC（数学主题分类）



View the entire 2020 MSC in PDF

Here is a copy of the publication *Mathematics Subject Classification 2020*, which is updated and published periodically.

完整的MSC
可查看“帮助”

2 出版物检索——MSC字段检索

检索“数论”相关发文

出版物 | 作者 | 杂志 | Citation

搜索项目

首选数学主题分类号 11 以及

题目 以及

首选数学主题分类号 以及

在所有文献或评论原文某处出现 以及

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出版物类型

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搜索 清除

Matches: 90989 Show first 100 results Select Page: Previous **1** 2 3 4 5 6 Next

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MR4504603 Prelim El Bachraoui, Mohamed; N-tuple sum analogues for Ramanujan-type congruences. *Proc. Amer. Math. Soc.* 151 (2023), no. 1, 1–16. 11B65 (11F33 33C20)
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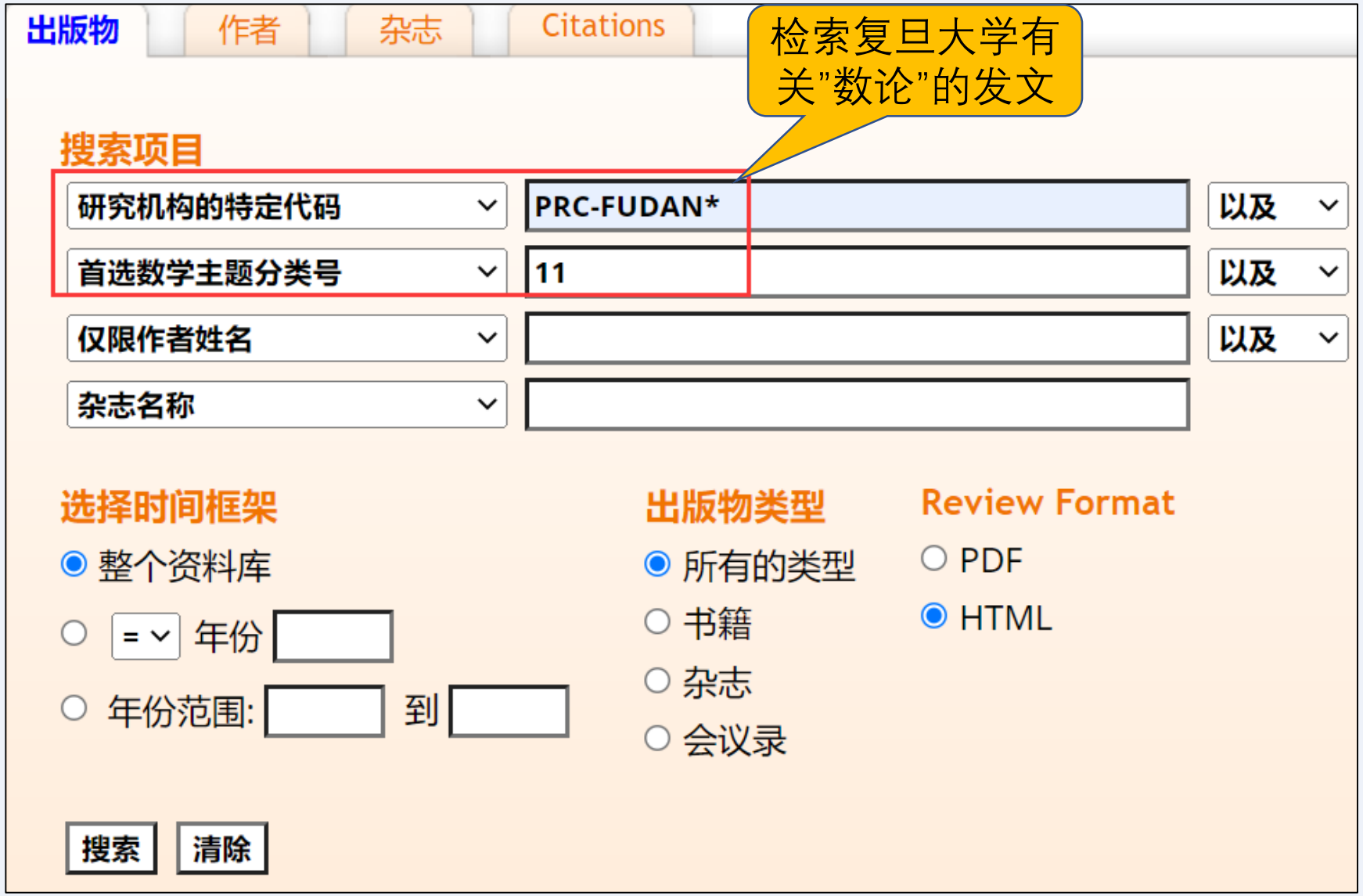

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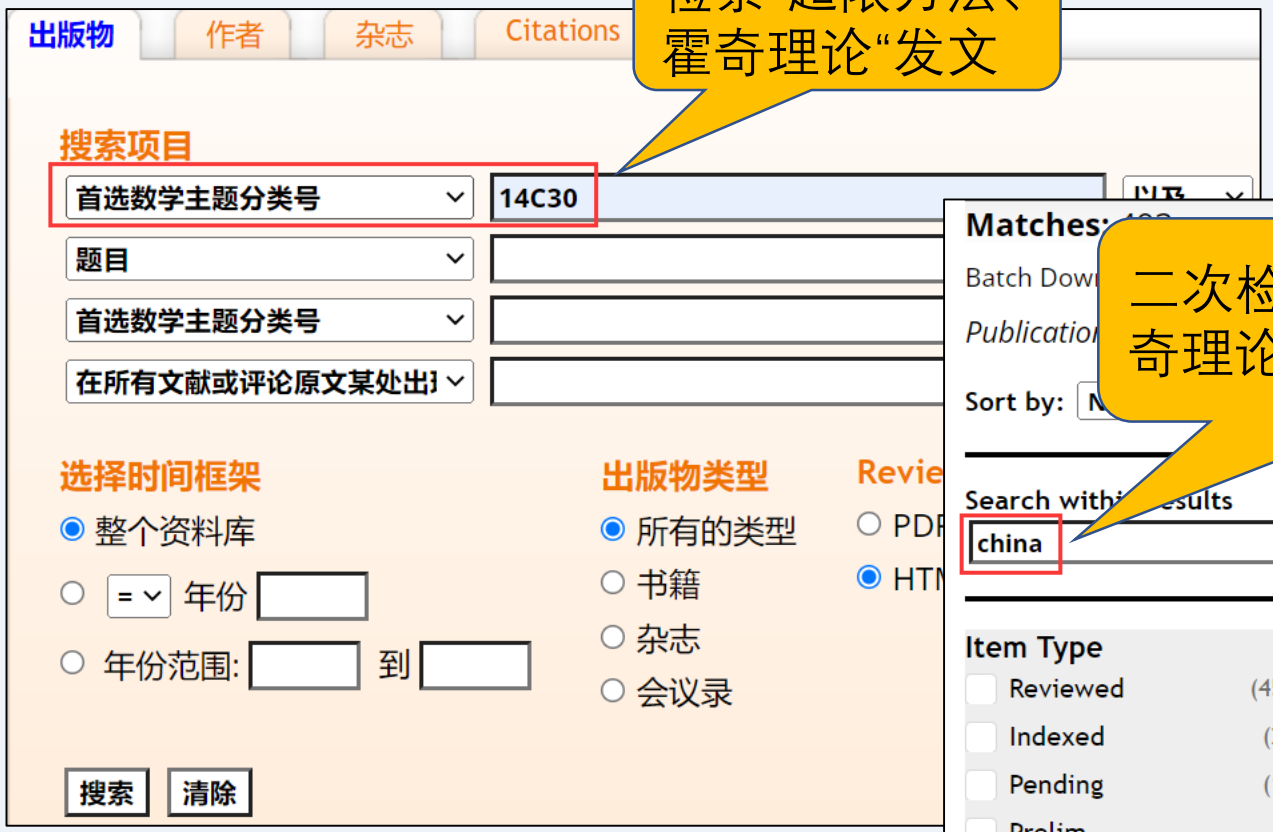

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Zafar, Zain Ul Abadin; Sene, Ndolane; Rezazadeh, Hadi; Esfandian, Nafiseh Tangent
in context of fractal fractional operators with nonsingular kernel. Math. Sci. (Springer) 16
131. 34A08 (26A33)
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60 86A08)
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MR4373238 Pending Liao, Naian; Schätzler, Leah On the Hölder regularity of signed solutions to a doubly nonlinear equation. Part III. Int. Math. Res. Not. IMRN 2022, no. 3, 2376–2400. 35K55
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MR4378902 TOC Item Petrivskyi, Yaroslav; Petrivskyi, Volodymyr; Some properties of the solution of the nonlinear equation of oscillations in modeling the magnetic separation. Functional differential equations and applications, 71–81, Springer Proc. Math. Stat., 379, Springer, Singapore, 2021.
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MRID

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MR4287785 Reviewed

Bögelein, Verena (A-SALZ); Duzaar, Frank (D-ERL); Liao, Na

On the Hölder regularity ... ns to a doub ... mmary)

J. Funct. Anal. 281 (2021), n... 173, 58 pp.

35K65 (35B65 35K67)

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Institution Information for
A-SALZ

Department of Mathematics
Universität Salzburg (Paris Lodron Univerität)
5020 Salzburg
AUSTRIA

Citations
From References: 7
From Reviews: 0

Summary: "We establish the interior and boundary Hölder continuity of possibly sign-changing solutions to a class of doubly nonlinear parabolic equations whose prototype is

$$\partial_t(|u|^{p-2}u) - \Delta_p u = 0, \quad p > 1.$$

The proof relies on the property of expansion of positivity and the method of intrinsic scaling, all of which are realized by De Giorgi's iteration. Our approach, while emphasizing the distinct roles of sub(super)-solutions, is flexible enough to obtain the Hölder regularity of solutions to initial-bounda... Dirichlet type or Neumann type in a cylindrical domain, up to the parabolic boundary. In addition, based on the expansion of positivity, we are able to give an alternative proof of Harnack's inequality for non-negative solutions. Moreover, as a consequence of the interior estimates, we also obtain a Liouville-type result."

评论内容

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2. Some technical tools
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5. Proof of Theorem 1.1 when $1 < p < 2$
6. Proof of Theorem 1.1 when $p > 2$
7. Proof of boundary regularity
Appendix A. More on the notion of parabolicity

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Journal of Functional Analysis

Volume 281, Issue 9, 1 November 2021, 109173

On the Hölder regularity of signed solutions to a doubly nonlinear equation

Verena Bögelein [a], Frank Duzaar [b], Naian Liao [a]

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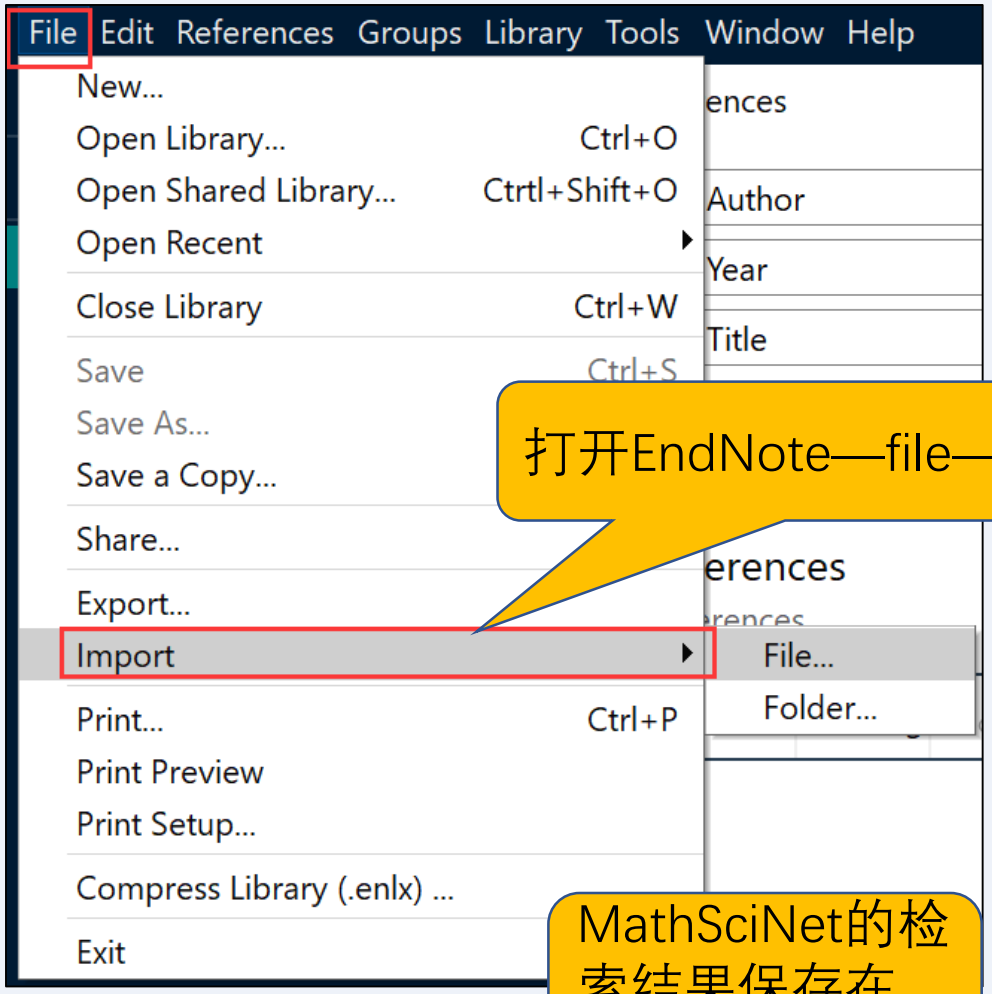

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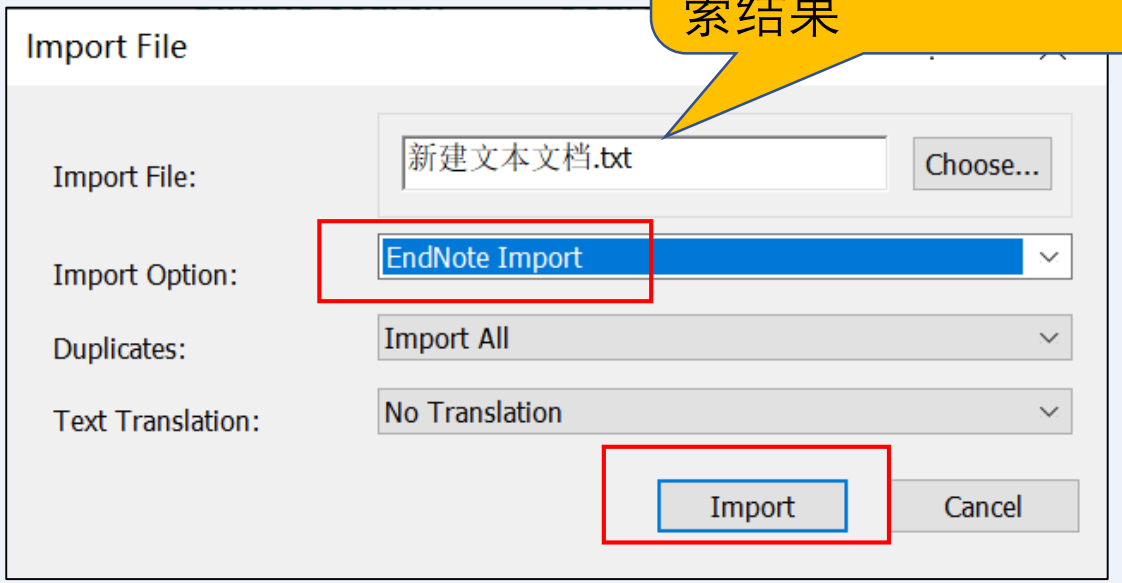

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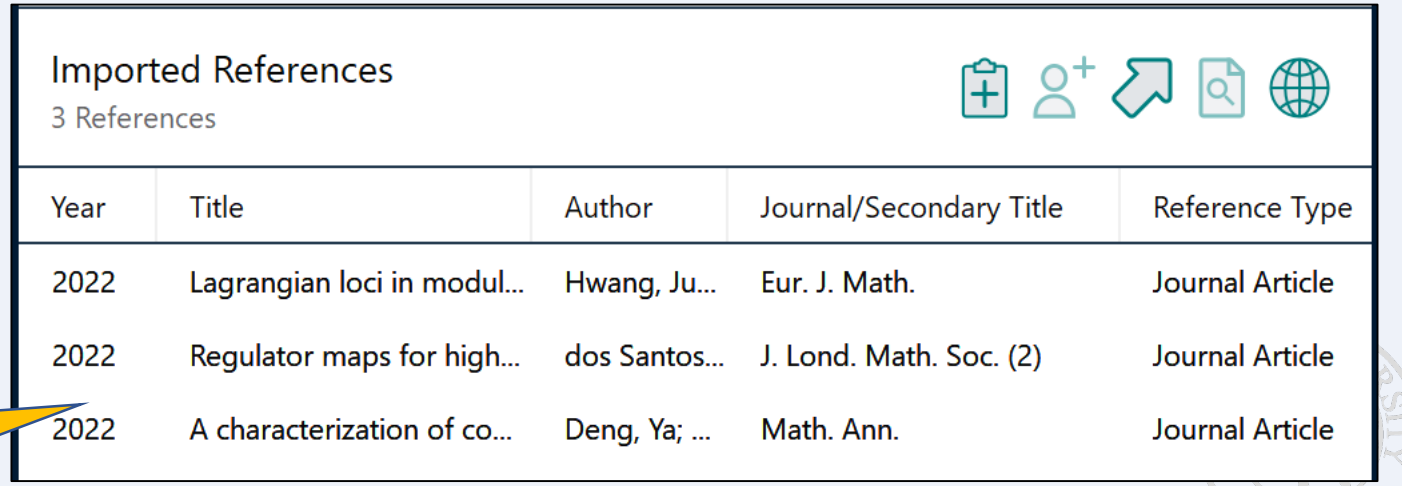

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2022	A characterization of co...	Deng, Ya; ...	Math. Ann.	Journal Article

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Profile Name	Published as	Earliest Publication	# Publications	# Citations
Erdős, Paul[1]	Erdős, P. (759) Erdős, Paul (572) …187) …l (74) …(39) …4) Erdös, Pál (4) Erdos, Paul (2) Erdéš, P. (1) Erdos, Pal (1) Erdo"s, P. (1) Erdós, Pál (1) Erdős, E. (1) Erdőš, Paul (1) \cyr Erdésh, P. (1) Èrdeš, P. (1)	1934	1445	24007
Erdös, Paul[2]	Erdös, Paul (1)	1990	1	
Erdős, Péter L.	Erdős, Péter L. (73) Erdős, P. L. (11) Erdős, Péter (2) Erdős, Peter L. (1) Erdős, Péter L. (1) Erdős, Peter L. (1)	1976	89	455

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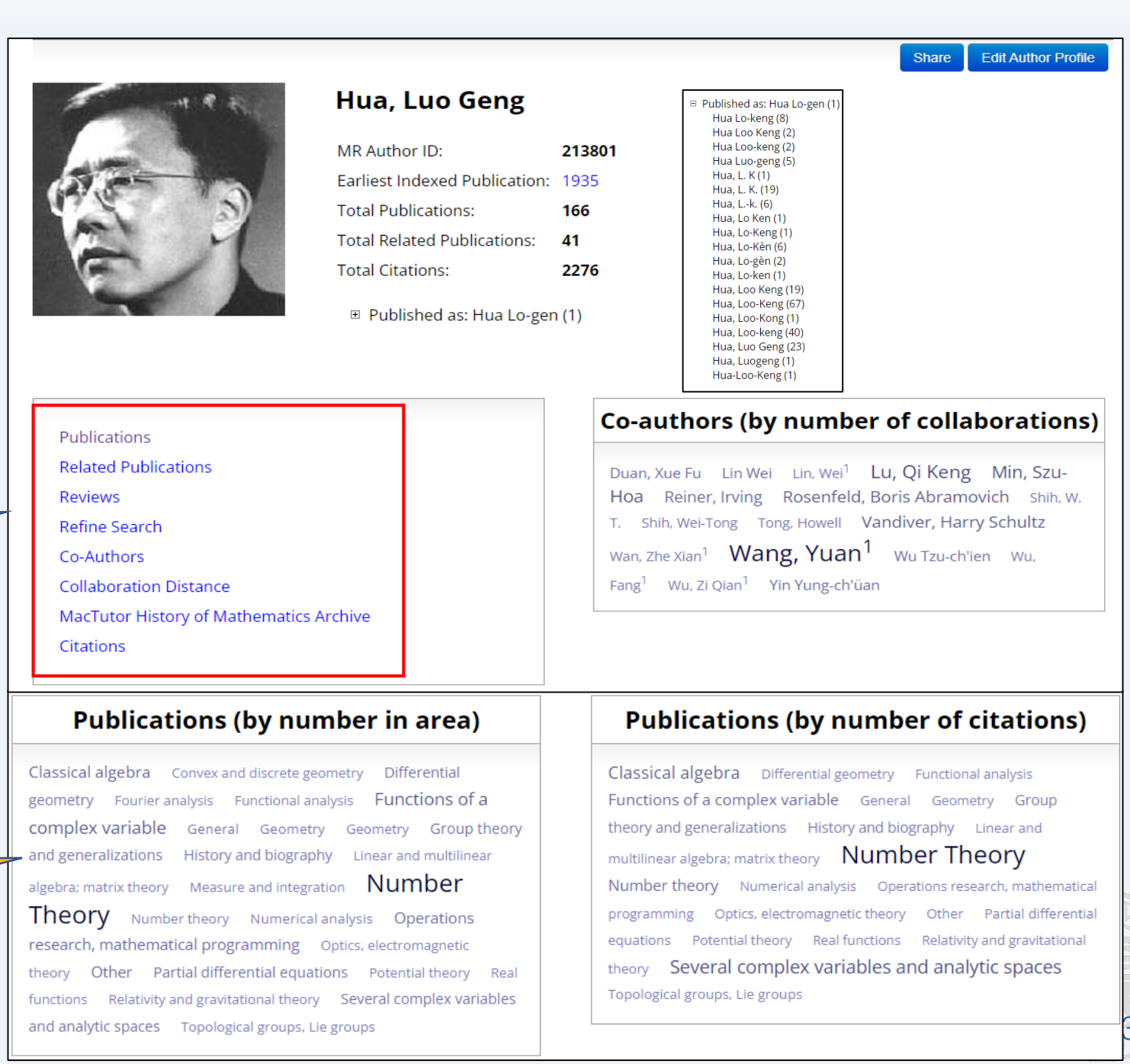

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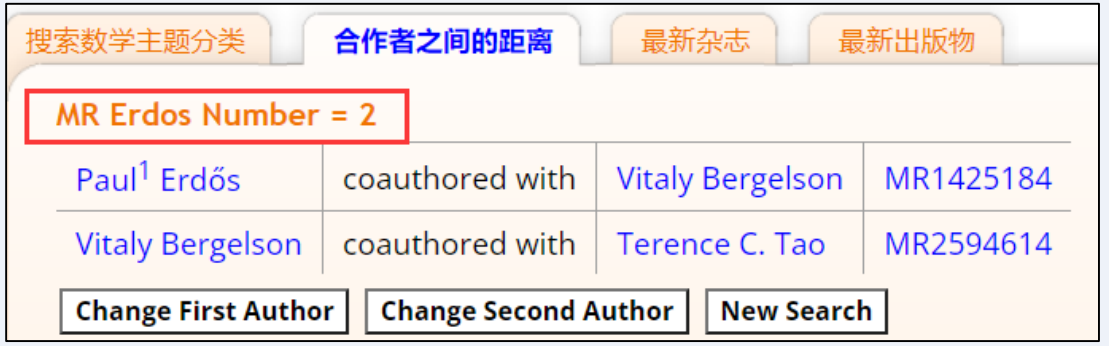

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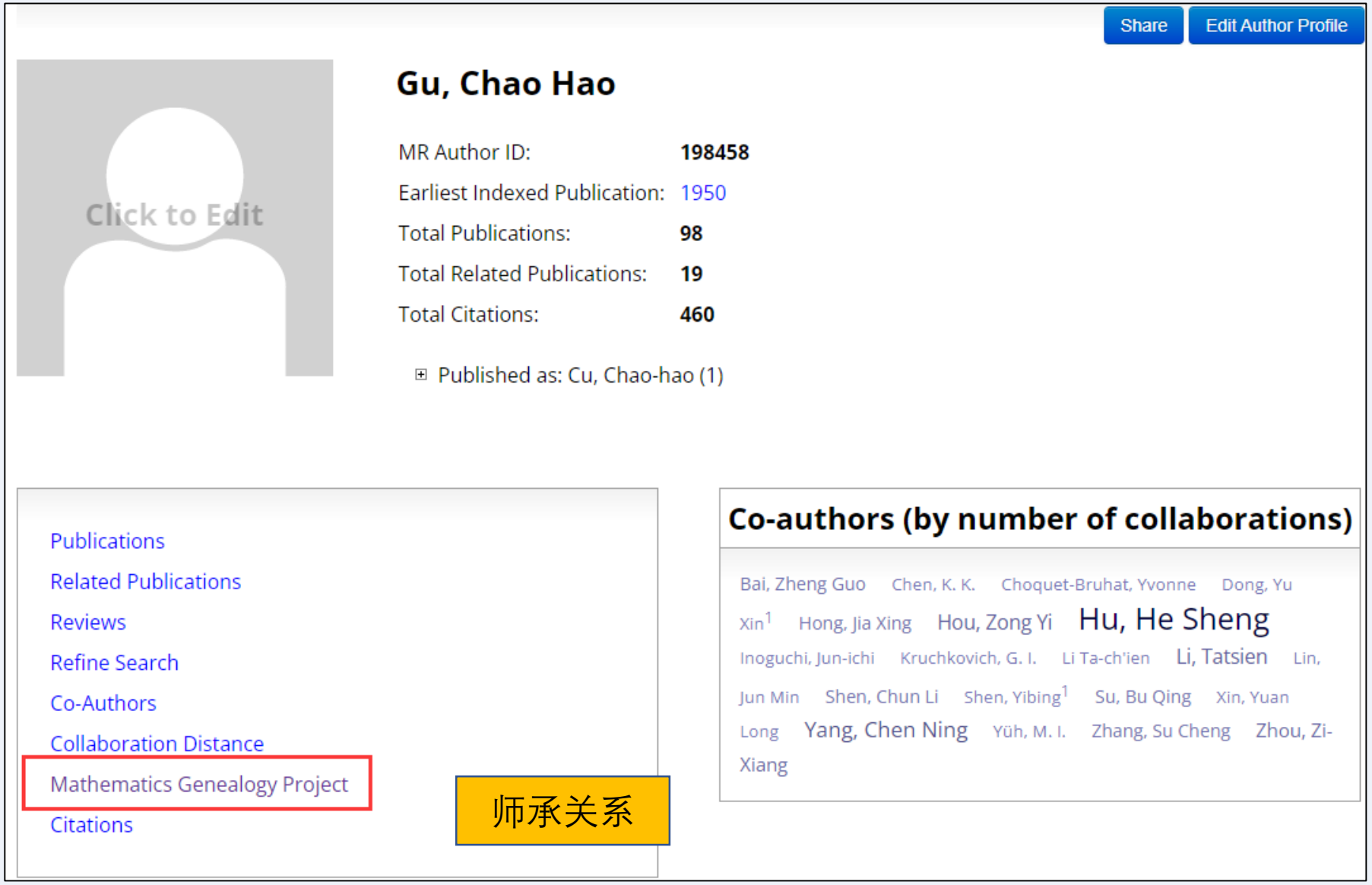
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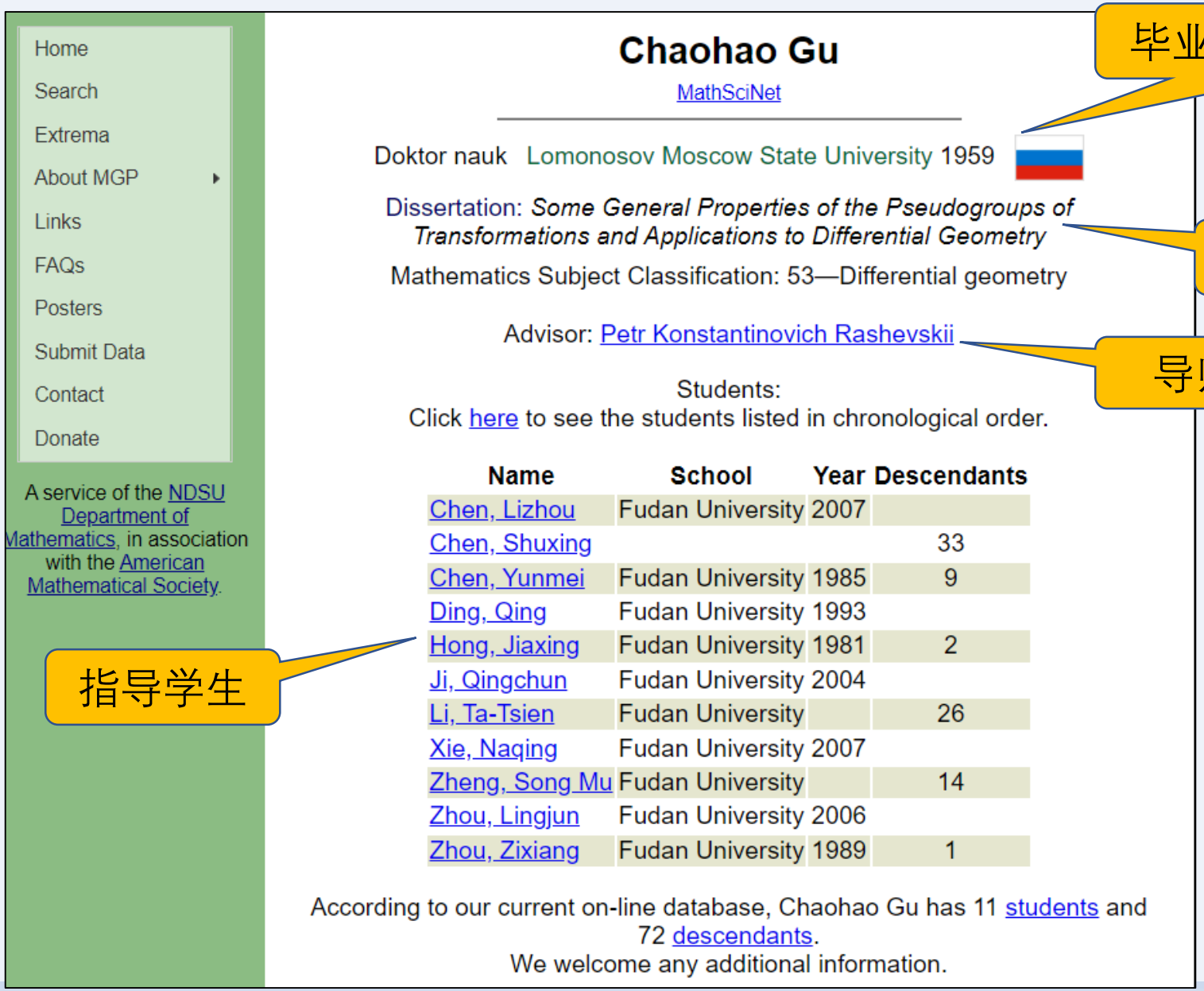
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Dissertation: Some General Properties of the Pseudogroups of Transformations and Applications to Differential Geometry
Mathematics Subject Classification: 53—Differential geometry
Advisor: Petr Konstantinovich Rashevskii
Students:
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Ding, Qing Fudan University 1993
Hong, Jiaxing Fudan University 1981 2
Ji, Qingchun Fudan University 2004
Li, Ta-Tsien Fudan University 26
Xie, Naqing Fudan University 2007
Zheng, Song Mu Fudan University 14
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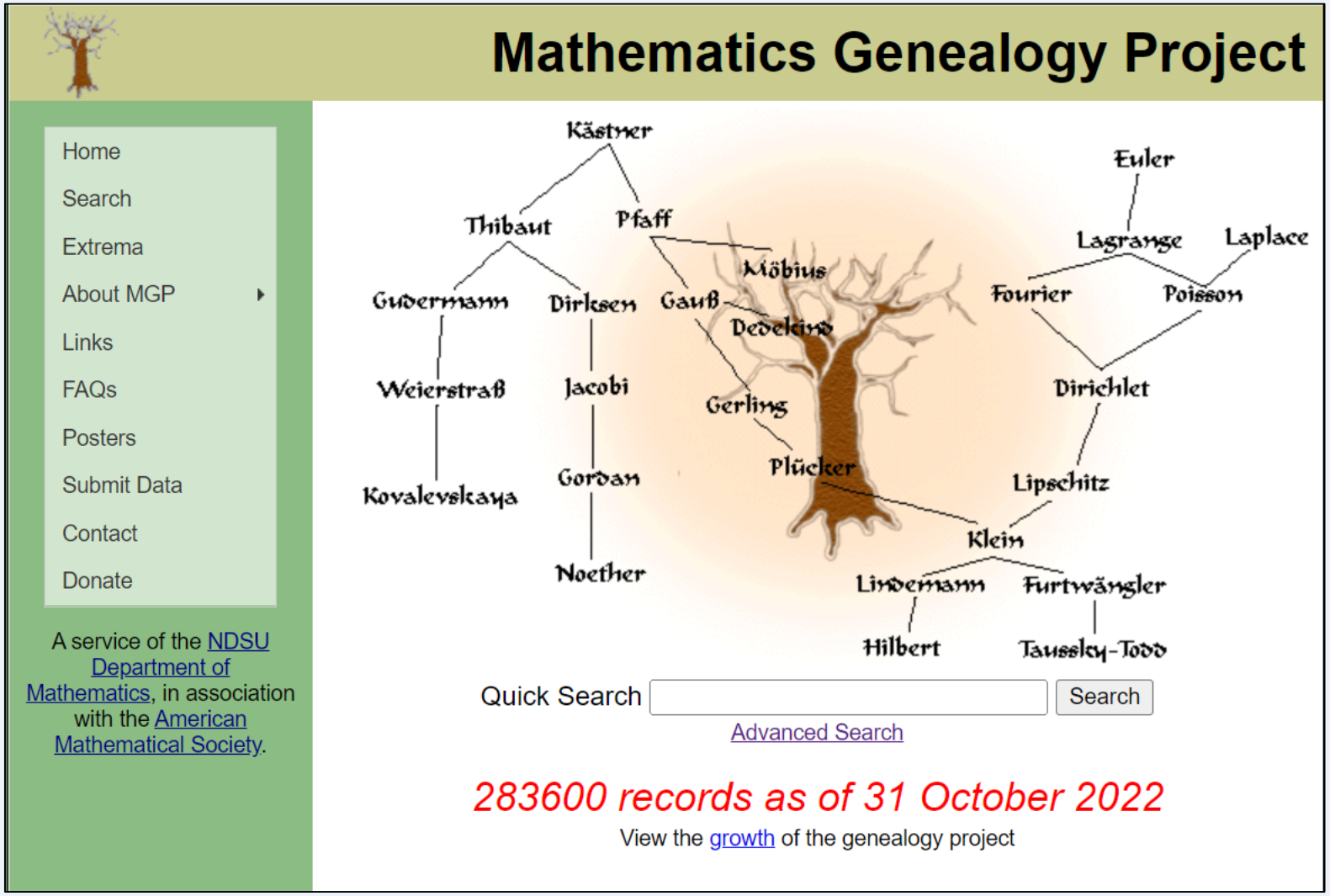
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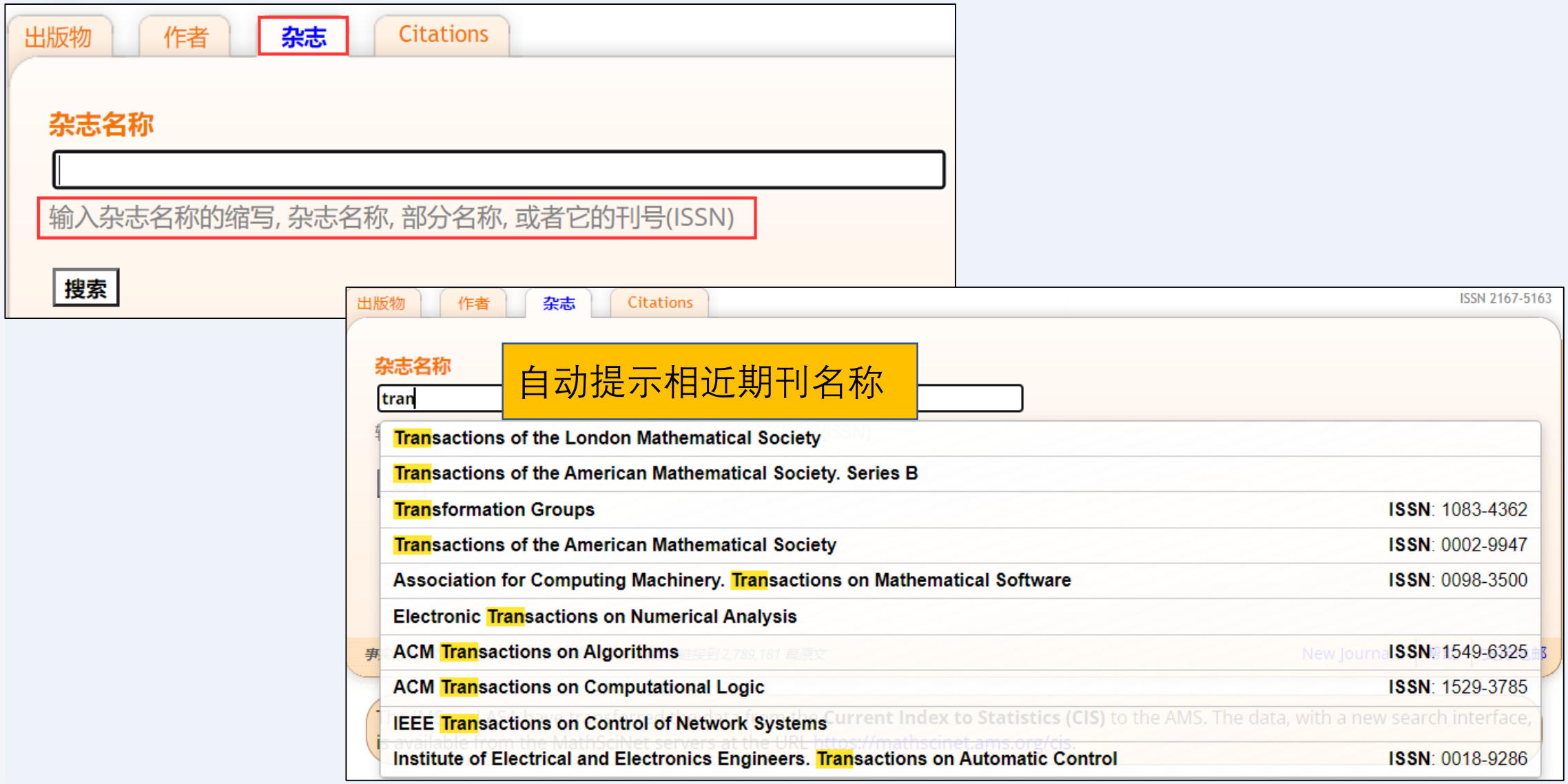
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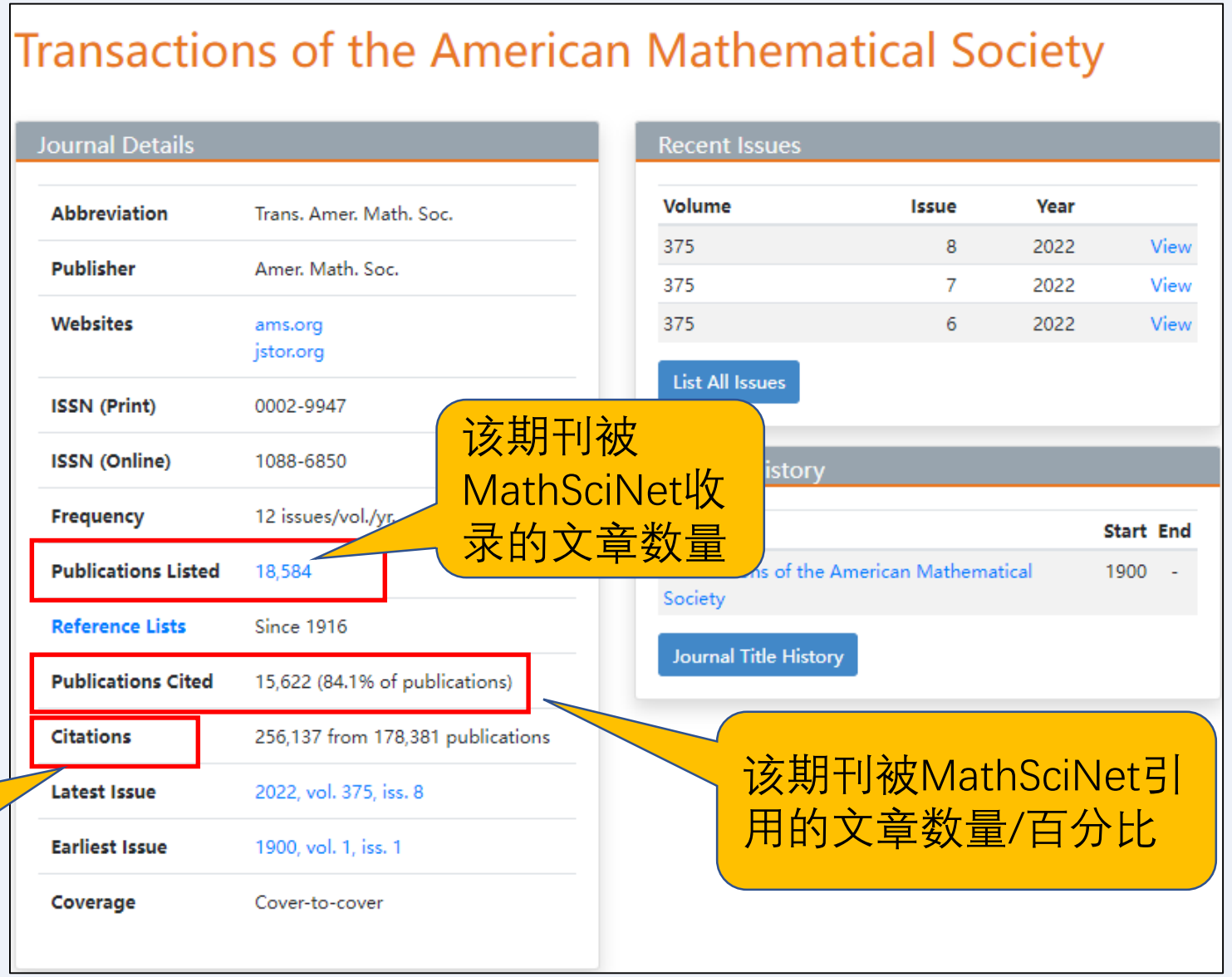

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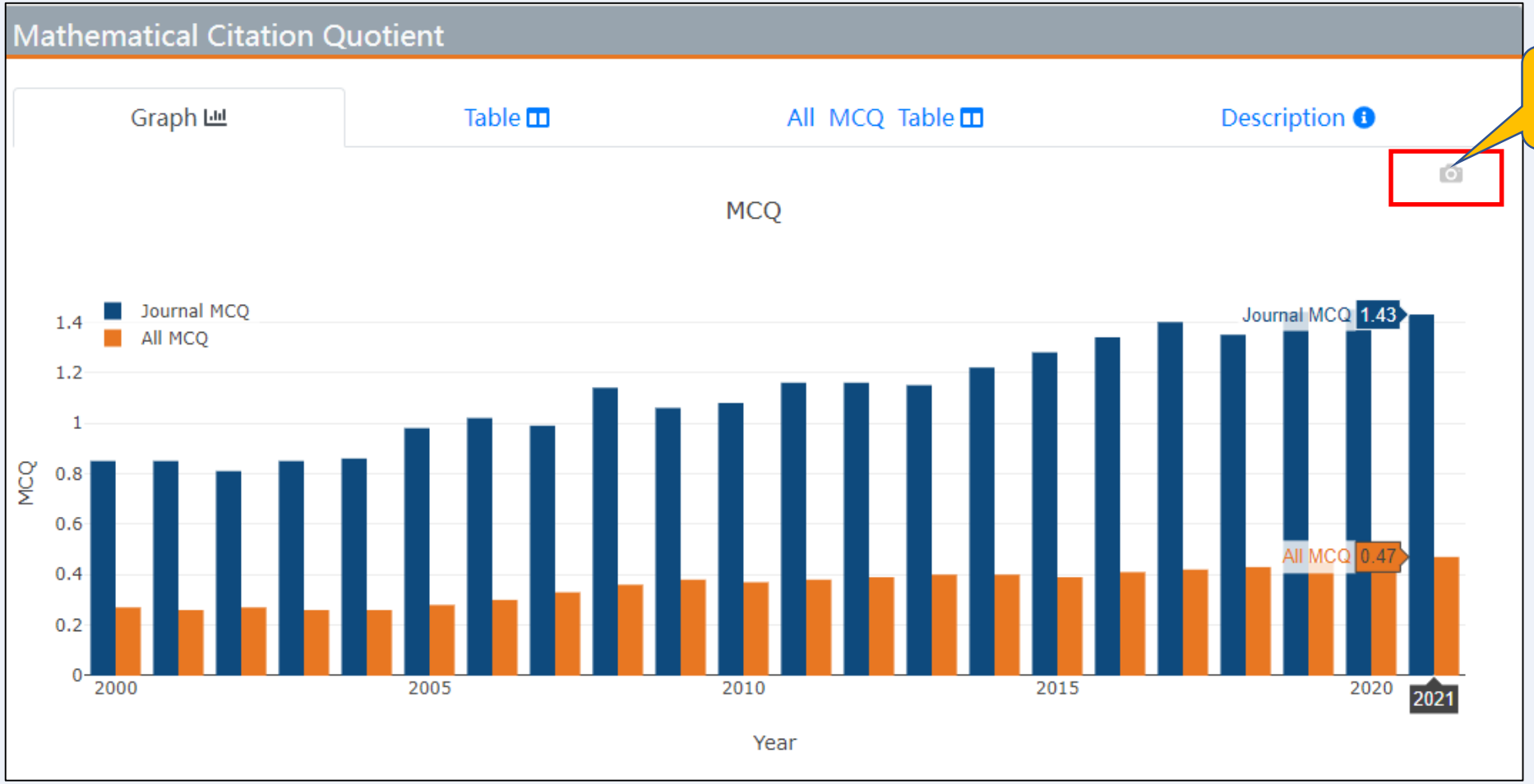

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2018	1.25	352	282
2017	1.32	376	285
2016	1.37	375	274
2015	1.17	314	268
2014	1.41	371	264
2013	1.74	433	249
2012	1.32	324	246
2011	1.55	382	247
2010	1.47	347	236
2009	1.41	294	209
2008	1.65	311	189
2007	1.35	236	175
2006	1.26	198	157
2005	0.94	144	154
2004	1.16	185	159
2003	1.12	175	156
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2000	1.21	160	132

2000年之前没有MCQ

4 期刊检索

期刊被引用情况

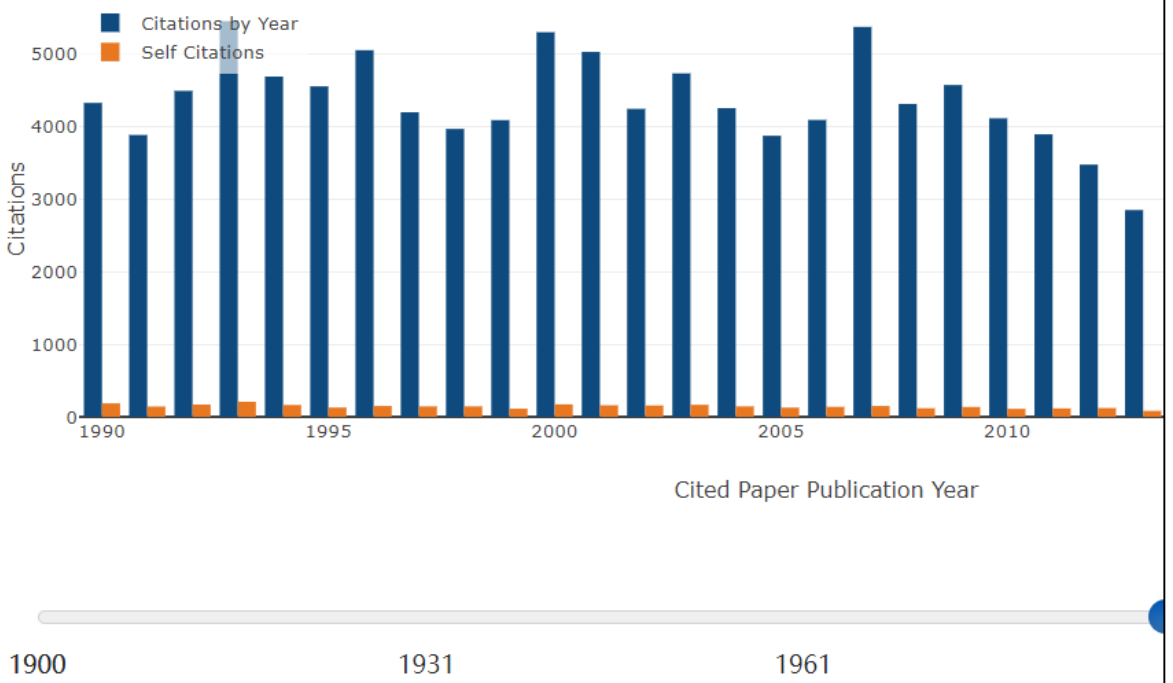
引用该期刊最多的期刊列表

Citations

Citation Year All Time Update

Graph Table Top Citers Graph Top Citers Table Description

Citations made to journal over **all time.**



Citations

Citation Year 2021 Update

Graph Table Top Citers Graph Top Citers Table Description

Top Citing Publications

Publication	Citations
J. Math. Anal. Appl.	253
Adv. Math.	242
Int. Math. Res. Not. IMRN	215
J. Differential Equations	211
J. Algebra	206
J. Geom. Anal.	205
Proc. Amer. Math. Soc.	176
Trans. Amer. Math. Soc.	166
J. Functional Analysis	158
Math. Z.	106

4 期刊检索

近3年/所有年，该期刊高发文分类（MSC分类）

Classifications

Last 3 Years | All Time

MSC*	Description	Count
11	Number theory	180
14	Algebraic geometry	130
35	Partial differential equations	98
37	Dynamical systems and ergodic theory	91
53	Differential geometry {For differential topology, see 57Rxx; for foundational questions of differentiable manifolds, see 58Axx}	87
20	Group theory and generalizations	82
60	Probability theory and stochastic processes {For additional applications, see 05Cxx, 11Kxx, 34-XX, 35-XX, 62-XX, 90-XX, 76-XX, 81-XX, 82-XX, 91-XX, 92-XX, 93-XX, 94-XX}	70
57	Manifolds and cell complexes {For complex manifolds, see\newline 32Qxx}	54
03	Mathematical logic and foundations	46
05	Combinatorics {For finite fields, see 11Txx}	44

Show All

*MSC= Mathematics Subject Classification

近3年/所有年，该期刊高发文作者

Top Authors

Last 3 Years | All Time

Name	Papers
Shelah, Saharon	5
Tiep, Pham Huu	5
Dai, Feng[1]	4
Chirvăsitu, Alexandru	4
Navarro Ortega, Gabriel	3
Uhlmann, Gunther A.	3
Shparlinski, Igor E.	3
Jackson, Stephen Craig	3
Chardin, Marc	3
Zhang, James J.	3

Show All

5 引用检索

Citations

5 引用检索

通过引用分析，可以获取高被引作者、高被引期刊、高被引文章、高被引图书、高被引主题等相关信息。进行引用分析，从而获取领域内高质量信息。

5 引用检索——作者被引用的信息

作者被引用的信息 | 杂志被引用的信息 | Search by Subject

作者姓名:

gu,chaohao

例如: Hilbert, D

搜索

Author Citations for Chao Hao Gu

Chao Hao Gu is cited 460 times by 473 authors

in the MR Citation Database

Most Cited Publications

Citations	Publication
148	**MR2174988 (2006i:37141)** Gu, Chaohao; Hu, Hesheng; Zhou, Zixiang Darboux transformations in integrable systems. Theory and their applications to geometry. Mathematical Physics Studies, 26. *Springer, Dordrecht,* 2005. x+308 pp. ISBN: 1-4020-3087-8 (Reviewer: Jun-ichi Inoguchi) 37K10 (37K25 37K35 53A10 81R12) Book
71	**MR1447235** Gu, Chaohao Bäcklund transformations and Darboux transformations. *Soliton theory and its applications,* 122–151, 393–395, *Springer, Berlin,* 1995. 58F37 (35Q53)
49	**MR0596432 (82g:58027)** Gu, Chao Hao On the Cauchy problem for harmonic maps defined on two-dimensional Minkowski space. *Comm. Pure Appl. Math.* 33 (1980), no. 6, 727–737. (Reviewer: Luc Vinet) 58E20 (81E10)
22	**MR0858565 (87i:53036)** Gu, Chao Hao The extremal surfaces in the 3-dimensional Minkowski space. *Acta Math. Sinica (N.S.)* 1 (1985), no. 2, 173–180. (Reviewe
14	**MR0891104 (88g:35170)** Gu, nd transformations for AKNS systems. *Lett. Math. Phys.* 13 (19
14	**MR1293499 (95j:58153)** Gu, iton equations in high-dimensional spacetime. *Lett. Math. Phys.* 32 (5Q51 58F07)
13	**MR0895395 (89d:53018)** Gu, Chao Hao A global study of extremal surfaces in 3-dimensional Minkowski space. *Differential geometry and differential equations (Shanghai, 1985),* 26–33, Lecture Notes in Math., 1255, *Springer, Berlin,* 1987. 53A10 (53A35)
12	**MR1205160 (93j:53007)** Gu, Chao Hao Extremal surfaces of mixed type in Minkowski space $\mathbf{R}^{n+1}$. *Variational methods (Paris, 1988),* 283–296, Progr. Nonlinear Differential Equations Appl., 4, *Birkhäuser Boston, Boston, MA,* 1990. (Reviewer: Alan D. Rendall) 53A10 (35M10)
10	**MR1333259 (96f:53011)** Gu, Chao Hao Complete extremal surfaces of mixed type in 3-dimensional Minkowski space. A Chinese summary appears in Chinese Ann. Math. Ser. A **15** (1994), no. 6, 742. *Chinese Ann. Math. Ser. B* 15 (1994), no. 4, 385–400. (Reviewer: Hong Wang) 53A10
9	**MR1199743 (93m:58051)** Gu, Chao Hao On the interaction of solitons for a class of integrable systems in the spacetime $\mathbf{R}^{n+1}$. *Lett. Math. Phys.* 26 (1992), no. 3, 199–209. (Reviewer: Wen-Xiu Ma) 58F07 (35Q51 35Q53 58F19)

See All

该作者按照被引用次数倒序排序的出版物（文章和图书）列表

5 引用检索——杂志被引用的信息

不同年份该杂志的被引用次数以及MCQ

作者被引用的信息 | 杂志被引用的信息 | Search by Subject

杂志名称

Transactions of the American Mathematical

输入杂志名称的缩写, 杂志名称, 部分名称, 或者它的刊号(ISSN

引用年份

2021
2020
2019
2018
2017
2016
2015
2014
2013
2012
2011
2010
2009
2008
2007
2006
2005
2004
2003
2002

2021 Citations
to Trans. Amer. Math. Soc.
in the MR Citation Database

Citing Year 2021 Search

Mathematical Citation Quotient for 2021

Year	2021 Citations to Journal		Items Published in Journal		MCQ*
2020	367		284 (82% cited)		
2019	812		581 (91% cited)		
2018	484		302 (95% cited)		
2017	481		314 (95% cited)		
2016	409		299 (96% cited)		
	2553 citations	÷	1780 items	=	1.43

2020 Citations
to Trans. Amer. Math. Soc.
in the MR Citation Database

Citing Year 2020 Search

Mathematical Citation Quotient for 2020

Year	2020 Citations to Journal		Items Published in Journal		MCQ*
2019	722		581 (91% cited)		
2018	450		302 (95% cited)		
2017	491		314 (95% cited)		
2016	416		299 (96% cited)		
2015	530		303 (96% cited)		
	2609 citations	÷	1799 items	=	1.45

5 引用检索——杂志被引用的信息

2021 Citations
to Trans. Amer. Math. Soc.
in the MR Citation Database
Citing Year 2021 **Search**

Mathematical Citation Quotient for 2021

Year	2021 Citations to Journal	Items Published in Journal	MCQ*
2020	367	284	
2019	812	581	
2018			
2017			
2016			

Matches: 359 Show first 100 results

Batch Download: Reviews (HTML) | Retrieve Marked | Retrieve First 50 | Mark All | Unmark All

Publications results for "Papers published in 2021 citing Trans. Amer. Math. Soc. 2020"

Note: *There are 368 citations from 359 items. Items containing more than one citation are noted in the list below.*

Sort by: Newest

Search within results

Item Type
- Reviewed (326)
- Pending (31)
- Indexed (2)

Institutions
- Department of Mathematics, University of California (9)
- Department of Mathematics, University of Illinois at (8)

MR4474756 Pending Casarino, Valentina; Ciatti, Paolo; Martini, Alessio Unifo ultraspherical polynomials. *C. R. Math. Acad. Sci. Paris* 359 (2021), 1239–1250.
Review PDF | Clipboard | Journal | Article

MR4400896 Reviewed Aubrun, Guillaume Principal angles between random s free projections. *Confluentes Math.* 13 (2021), no. 2, 3–10. 46L54
Review PDF | Clipboard | Journal | Article

MR4400851 Pending Galić, Marija Regularity of a weak solution to a linear fl problem. *Glas. Mat. Ser. III* 56(76) (2021), no. 2, 407–440. 74F10 (35M30 76D0
Review PDF | Clipboard | Journal | Article

MR4400735 Reviewed Katz, Nicholas M.; Tiep, Pham Huu Hypergeometric she unitary groups. *Camb. J. Math.* 9 (2021), no. 3, 577–691. (Reviewer: John T. Cul 20D06 20G40)
Review PDF | Clipboard | Journal | Article | 1 Citation

MR4398256 Pending Drummond-Cole, Gabriel C.; Horel, Geoffroy Homotop *Fourier (Grenoble)* 71 (2021), no. 5, 2079–2116. 55U15 (18M70 52C35)
Review PDF | Clipboard | Journal | Article

MR4400896 Reviewed
Aubrun, Guillaume (F-LYON-ICJ)
Principal angles between random subspaces and polynomials in two free projections. (English summary)
Confluentes Math. 13 (2021), no. 2, 3–10.
46L54
Review PDF | Clipboard | Journal | Article | Make Link

Citations
From References: 0
From Reviews: 0

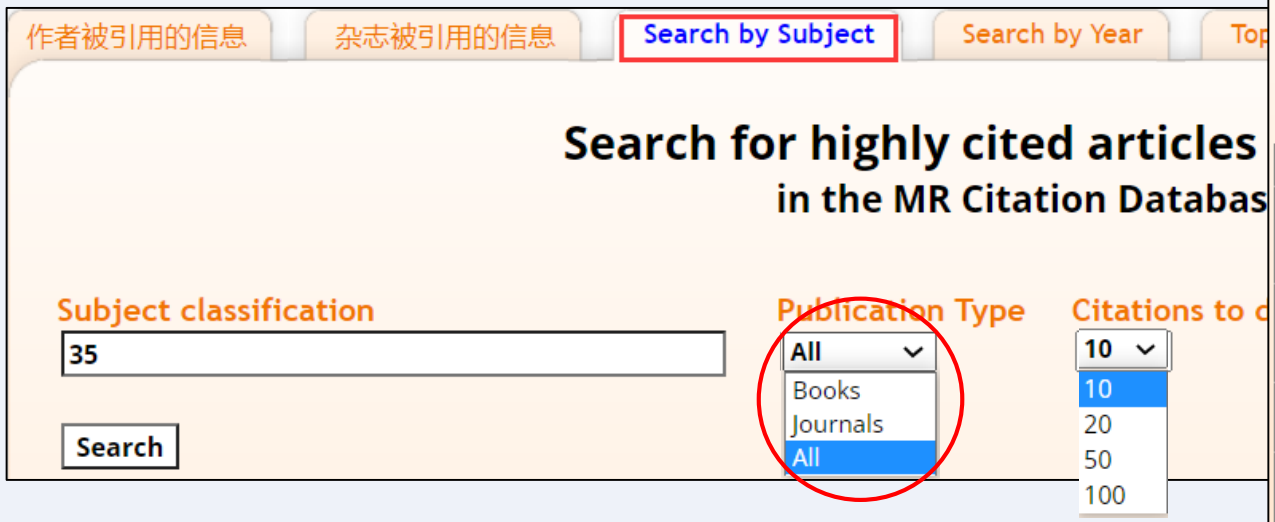
Summary: "We use the geometric concept of principal angles between subspaces to compute the noncommutative distribution of an expression involving two free projections. For example, this allows to simplify a formula by Fevrier-Mastnak-Nica-Szpojankowski about the free Bernoulli anticommutator. As a byproduct, we observe the remarkable fact that the principal angles between random half-dimensional subspaces are asymptotically distributed according to the uniform measure on $[0, \pi/2]$."

Note: *Citations to Trans. Amer. Math. Soc. 2020 from 2021 are boxed.*

References

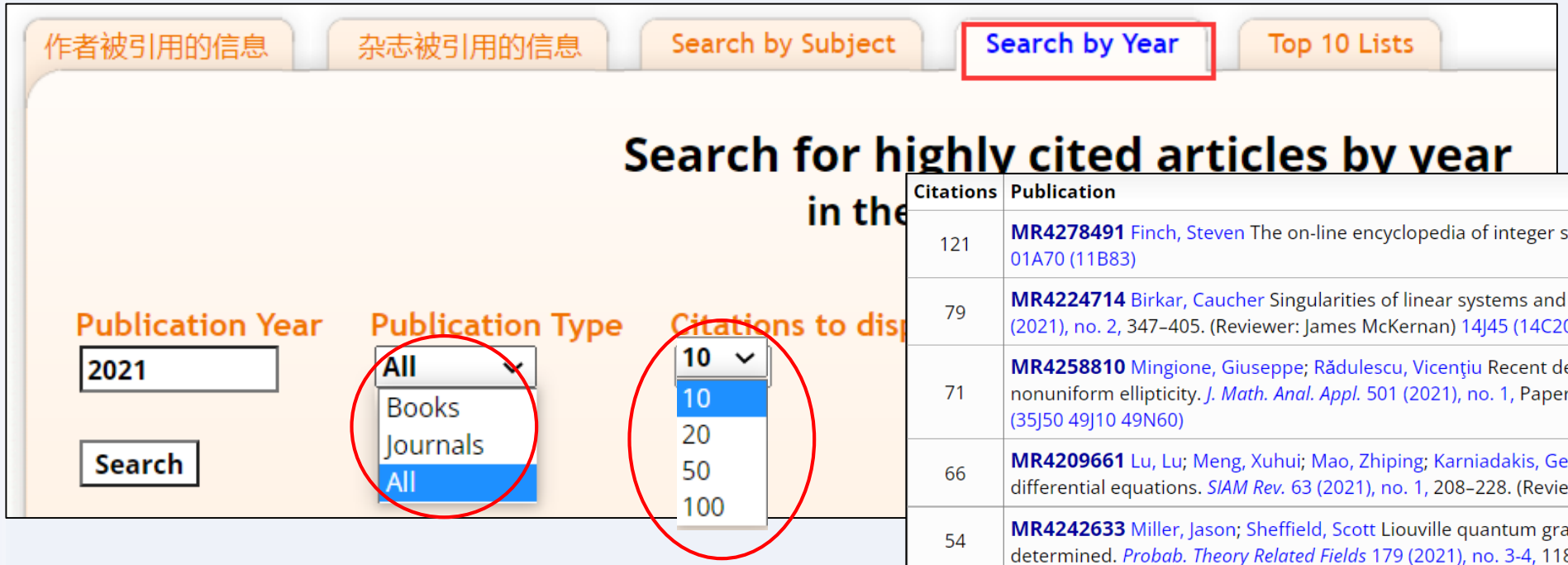
1. P.-A. Absil, A. Edelman, and P. Koev. On the largest principal angle between random subspaces. *Linear Algebra Appl.*, 414(1):288–294, 2006. MR2209246
2. A. Böttcher and I. M. Spitkovsky. A gentle guide to the basics of two projections theory. *Linear Algebra Appl.*, 432(6):1412–1459, 2010. MR2580440
3. Maxime Fevrier, Mitja Mastnak, Alexandru Nica, and Kamil Szpojankowski. Using Boolean cumulants to study multiplication and anti-commutators of free random variables. *Trans. Amer. Math. Soc.*, 373(10):7167–7205, 2020. MR4155204
4. Gene H. Golub and Charles F. Van Loan. *Matrix computations*. Johns Hopkins Studies in the Mathematical Sciences. Johns Hopkins University Press, Baltimore, MD, fourth edition, 2013. MR3024913
5. Vladislav Kargin. On eigenvalues of the sum of two random projections. *Journal of Statistical Physics*, 149(2):246–258, 2012. MR2988958
6. James A. Mingo and Roland Speicher. *Free probability and random matrices*, volume 35 of *Fields Institute Monographs*. Springer, New York; Fields Institute for Research in Mathematical Sciences, Toronto, ON, 2017. MR3585560
7. Alexandru Nica and Roland Speicher. Commutators of free random variables. *Duke Math. J.*, 92(3):553–592, 1998. MR1620518
8. Alexandru Nica and Roland Speicher. *Lectures on the combinatorics of free probability*, volume 335 of *London Mathematical Society Lecture Note Series*. Cambridge University Press, Cambridge, 2006. MR2266879
9. D. V. Voiculescu, K. J. Dykema, and A. Nica. *Free random variables*, volume 1 of *CRM Monograph Series*. American Mathematical Society, Providence, RI, 1992. A noncommutative probability approach to free products with applications to random matrices, operator algebras and harmonic analysis on free groups. MR1217253

5 引用检索——按照主题（MSC）检索



MSC分类主题下的被引用次数降序出版物（图书+文章）排名

5 引用检索——按出版年检索高被引文章或图书



Citations	Publication
121	**MR4278491** Finch, Steven The on-line encyclopedia of integer sequences. *Math. Intelligencer* 43 (2021), no. 2, 146–147. 01A70 (11B83)
79	**MR4224714** Birkar, Caucher Singularities of linear systems and boundedness of Fano varieties. *Ann. of Math. (2)* 193 (2021), no. 2, 347–405. (Reviewer: James McKernan) 14J45 (14C20 14E30)
71	**MR4258810** Mingione, Giuseppe; Rădulescu, Vicenţiu Recent developments in problems with nonstandard growth and nonuniform ellipticity. *J. Math. Anal. Appl.* 501 (2021), no. 1, Paper No. 125197, 41 pp. (Reviewer: Carlo Mariconda) 49-02 (35J50 49J10 49N60)
66	**MR4209661** Lu, Lu; Meng, Xuhui; Mao, Zhiping; Karniadakis, George Em DeepXDE: a deep learning library for solving differential equations. *SIAM Rev.* 63 (2021), no. 1, 208–228. (Reviewer: Rüdiger Verfürth) 65L99 (65-04 65M99 65N99 68T07)
54	**MR4242633** Miller, Jason; Sheffield, Scott Liouville quantum gravity and the Brownian map III: the conformal structure is determined. *Probab. Theory Related Fields* 179 (2021), no. 3-4, 1183–1211. (Reviewer: Juhan Aru) 60D05 (60J67)
46	**MR4253790** Du, Qiang; Ju, Lili; Li, Xiao; Qiao, Zhonghua Maximum bound principles for a class of semilinear parabolic equations and exp 50 (35K55 65M06 65M12)
44	**MR4188815** Aga (2021), no. 1, 79–133. (Reviewer: Đỗ Ngọ
43	**MR4195782** Sahu mal gradient methods with applications to co wer: Vasile Berinde) 65J15 (47J25 49J40 65H10 90C25 90C48)
39	**MR4228503** Castillejos, Jorge; Evington, Samuel; Tikuisis, Aaron; White, Stuart; Winter, Wilhelm Nuclear dimension of simple C^*-algebras. *Invent. Math.* 224 (2021), no. 1, 245–290. (Reviewer: Changguo Wei) 46L35 (46L05)
38	**MR4225028** Miller, Jason; Sheffield, Scott An axiomatic characterization of the Brownian map. *J. Éc. polytech. Math.* 8 (2021), 609–731. 60D05 (83C45)

按出版年被引用次数降序出版物（图书+文章）排名

5 引用检索——特定年份TOP排行榜

作者被引用的信息 | 杂志被引用的信息 | Search by Subject | Search by Year | Top 10 Lists

Top Journal MCQs
cited in the MR Citation Database

Select List: Journals by MCQ | Citing Year: 2021 | Items to display: 20

MCQ	Journal Abbreviation
6.97 (100% cited)	Acta Numer.
5.76 (100% cited)	Publ. Math. Inst. Hautes Études Sci.
5.60 (98% cited)	Ann. of Math.
4.81 (98% cited)	J. Amer. Math. Soc.
4.70 (100% cited)	Acta Math.
3.86 (98% cited)	Invent. Math.
3.54 (96% cited)	Ann. PDE
3.42 (96% cited)	Comm. Pure Appl. Math.
3.32 (96% cited)	Math. Models Methods Appl. Sci.
3.18 (96% cited)	Adv. Nonlinear Anal.
3.15 (88% cited)	EMS Surv. Math. Sci.
3.08 (94% cited)	Forum Math. Pi
2.91 (100% cited)	Camb. J. Math.
2.89 (96% cited)	Mem. Amer. Math. Soc.
2.84 (96% cited)	Arch. Ration. Mech. Anal.
2.82 (95% cited)	SIAM J. Nume
2.67 (97% cited)	Duke Math. J.
2.48 (98% cited)	J. Differential
2.44 (96% cited)	Geom. Funct.
2.43 (96% cited)	Ann. Probabil

作者被引用的信息 | 杂志被引用的信息 | Search by Subject | Search by Year | Top 10 Lists

ISSN 2167-5163

Top Journal Articles
cited in the MR Citation Database

Select List: Journal Articles | Citing Year: 2021 | Items to display: 10

Citations	Publication
302	MR2944369 Di Nezza, Eleonora; Palatucci, Giampiero; Valdinoci, Enrico Hitchhiker's guide to the fractional Sobolev spaces.
267	MR1484 Computa
242	MR1379 (1996), nc
219	MR0916 96. (Revie
194	MR2354 Comm. Pa
169	MR2152 exact geo 74S05)
164	MR3925 (1970), nc
160	MR0370 applicatic
155	MR1809 dynamics
155	MR3043

Top Books
cited in the MR Citation Database

Select List: Books | Citing Year: 2021 | Items to display: 10

Citations	Publication	
630	MR1658022 (99m:26009) Podlubny, Igor Fractional differential equations. An introduction to fractional derivatives, fractional differential equations, to methods of their solution and some of their applications. Mathematics in Science and Engineering, 198. *Academic Press, Inc., San Diego, CA*, 1999. xxiv+340 pp. ISBN: 0-12-558840-2 (Reviewer: Anatoly Kilbas) 26A33 (34K05)	Book
532	MR2218073 (2007a:34002) Kilbas, Anatoly A.; Srivastava, Hari M.; Trujillo, Juan J. Theory and applications of fractional differential equations. North-Holland Mathematics Studies, 204. *Elsevier Science B.V., Amsterdam*, 2006. xvi+523 pp. ISBN: 978-0-444-51832-3; 0-444-51832-0 (Reviewer: B. S. Rubin) 34-02 (26A33 33C90 34A99 35-02 45-02)	Book
418	MR0710486 (85g:47061) Pazy, A. Semigroups of linear operators and applications to partial differential equations. Applied Mathematical Sciences, 44. *Springer-Verlag, New York*, 1983. viii+279 pp. ISBN: 0-387-90845-5 (Reviewer: H. O. Fattorini) 47D05 (34Gxx 35Fxx 35Gxx 47H20)	Book
398	MR0463157 (57 #3116) Hartshorne, Robin Algebraic geometry. Graduate Texts in Mathematics, No. 52. *Springer-Verlag, New York-Heidelberg*, 1977. xvi+496 pp. ISBN: 0-387-90244-9 (Reviewer: Robert Speiser) 14-01	Book
386	MR2759829 (2012a:35002) Brezis, Haim Functional analysis, Sobolev spaces and partial differential equations. Universitext. *Springer, New York*, 2011. xiv+599 pp. ISBN: 978-0-387-70913-0 (Reviewer: Vicenţiu D. Rădulescu) 35-01 (46-01 46E35 46N20 47F05)	Book
375	MR1814364 (2001k:35004) Gilbarg, David; Trudinger, Neil S. Elliptic partial differential equations of second order. Reprint of the 1998 edition. Classics in Mathematics. *Springer-Verlag, Berlin*, 2001. xiv+517 pp. ISBN: 3-540-41160-7 35-02 (35Jxx)	Book
357	MR0274683 (43 #445) Rockafellar, R. Tyrrell Convex analysis. Princeton Mathematical Series, No. 28 *Princeton University Press, Princeton, N.J.* 1970 xviii+451 pp. (Reviewer: Ky Fan) 26.52 (46.00)	Book
356	MR2424078 (2009e:46025) Adams, Robert A.; Fournier, John J. F. Sobolev spaces. Second edition. Pure and Applied Mathematics (Amsterdam), 140. *Elsevier/Academic Press, Amsterdam*, 2003. xiv+305 pp. ISBN: 0-12-044143-8 46E35 (46-01 46-02 46B70 46Exx)	Book
354	MR2597943 (2011c:35002) Evans, Lawrence C. Partial differential equations. Second edition. Graduate Studies in Mathematics, 19. *American Mathematical Society, Providence, RI*, 2010. xxii+749 pp. ISBN: 978-0-8218-4974-3 (Reviewer: Diego M. Maldonado) 35-01	Book
311	MR0290095 (44 #7280) Stein, Elias M. Singular integrals and differentiability properties of functions. Princeton Mathematical Series, No. 30 *Princeton University Press, Princeton, N.J.* 1970 xiv+290 pp. (Reviewer: R. E. Edwards) 46.38 (26.00)	Book

MCQ降序期刊排行榜；
引用次数降序文章和图书排行榜

5 总结

MathSciNet提供4种检索方式，根据不同的需求选择不同的检索方式：

1. 出版物检索（Publication）：检索文章和图书的相关信息，可以获取评论、摘要、全文、出版日期和卷期等相关信息；
2. 作者检索（Author）：以作者作为检索起点，获取作者相关信息；
3. 期刊检索（Journal）：以期刊作为检索起点，获取期刊相关信息；
4. 引用检索（Citations）：通过引用分析，可以获取作者被引用的信息、杂志被引用的信息、数学主题被引用信息、年度被引用排行榜。从而可以获取高被引作者、高被引期刊、高被引文章、高被引图书、高被引主题等相关信息，从而获取领域内高质量信息。

谢 谢!

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