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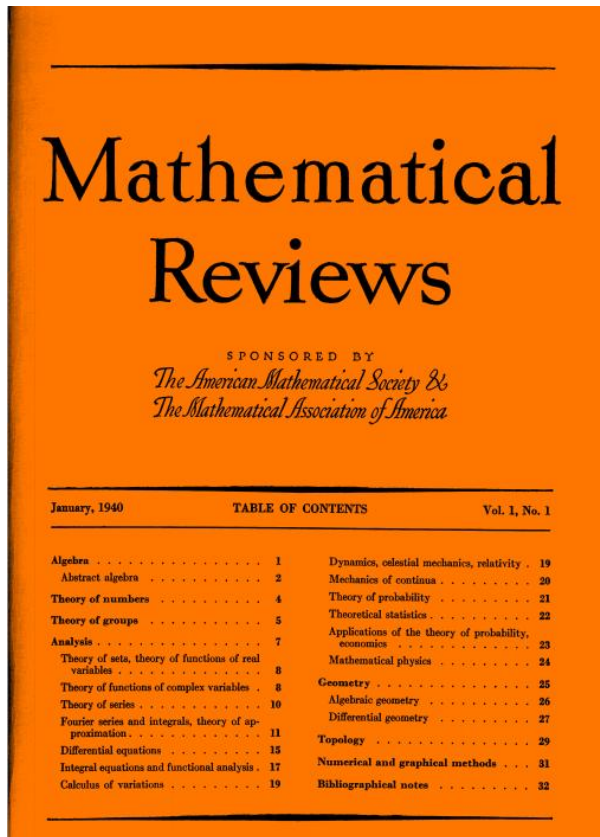
**ISSN 2167-5163**

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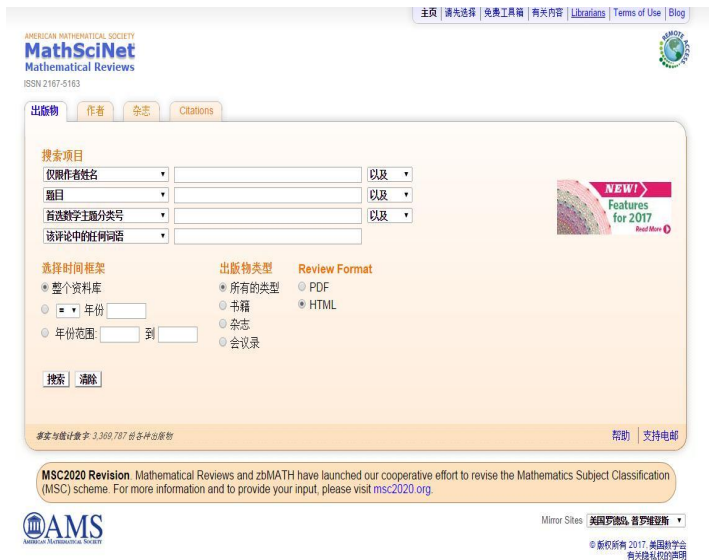
# MathSciNet



《数学评论》（**Mathematical Reviews**）是美国数学学会（**American Mathematical Society**）发行的一份期刊，内含对数学、统计学与计算机科学领域出版物的**摘要和评论**内容。

创刊号于**1940年1月份**发行  
第一期包括**32页**，**176条**评论  
该刊创始编辑有数学史家**O. 诺伊格鲍尔**(Neugebauer, 1899-1990)、数学家**J.D. 塔马金**(Tamarkin, 1888-1945)和**O. 维布伦**(veblen, 1880-1960)。

# MathSciNet



MathSciNet数据库是美国数学学会出版的《数学评论》Mathematical Reviews的网络版。

包含《数学评论》自1940年出版以来的所有评论文章，包括期刊、图书、会议录、文集和预印本。

对来自全世界**200**余家专业出版社的**2000**多种期刊做评选，对**500**余种数学核心期刊做出全评。目前中国有近**150**种期刊被选评。是数学科研工作者最常用的工具。截止**2016**年底，已包含**3,369,787**份出版物评论。

# MathSciNet

## MathSciNet 检索和使用



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**MSC2020 Revision.** Mathematical Reviews and zbMATH have launched our cooperative effort to revise the Mathematics Subject Classification (MSC) scheme. For more information and to provide your input, please visit [msc2020.org](http://msc2020.org).



Mirror Sites 美国罗德岛, 普罗维登斯

# 例1：对文章的检索



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选择搜索项目，  
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Item Type  
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 Thesis (2)  
 DML (1)

Institutions  
 Sobolev Institute of Mathematics, Siberian Branch Russian Academy of Sciences (171)  
 Department of Computer Science, University of Toronto (70)

Authors

- MR3607467** Prelim Borodin, Alexei; Corwin, Ivan; Toninelli, Fabio Lucio; Stochastic Heat Equation Limit of a  $(2+1)d$  Growth Model. *Comm. Math. Phys.* 350 (2017), no. 3, 957–984. 82C22 (60J10) | [Review PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)
- Borodin, Alexei; Bufetov, Alexey; An irreversible local Markov chain that preserves the six-vertex model. *Ann. Inst. Henri Poincaré Probab. Stat.* 53 (2017), no. 1, 451–463. 60K35 (60J10) | [Review PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)
- MR3595380** Prelim Batueva, Ts. Ch.-D.; Borodin, O. V.; Ivanova, A. O.; All Tight Descriptions of 4-Paths in 3-Polytopes with Minimum Degree 5. *Graphs Combin.* 33 (2017), no. 1, 53–62. 05C10 | [Review PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)
- MR3594371** Prelim Borodin, O. V.; Ivanova, A. O.; Vasil'eva, E. I.; A Steinberg-Like Approach to Describing Faces in 3-Polytopes. *Graphs Combin.* 33 (2017), no. 1, 63–71. 52B10 (05C10) | [Review PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)
- MR3594324** Pending Borodin, Alexei On a family of symmetric rational functions. *Adv. Math.* 306 (2017), 973–1018. 05E05 33C52 81P45 | [Clipboard](#) | [Journal](#) | [Article](#) | 3 Citations
- MR3594324** Pending Borodin, O. V.; Ivanova, A. O. Low 5-stars in normal plane maps with minimum degree 5. *Math. 340* (2017), no. 2, 18–22. 05C10 (05C07 05C62 05C83) | [Clipboard](#) | [Journal](#) | [Article](#) | 1 Citation
- MR3594326** Pending Borodin, O. V.; Ivanova, A. O. Every triangulated 3-polytope of minimum degree 4 has a 4-face with at most 27. *Electron. J. Combin.* 23 (2016), no. 3, Paper 3.48, 10 pp. 05C10 (05C15 05C38) | [Clipboard](#) | [Journal](#) | [Article](#)
- MR3594327** Pending Borodin, Allan; Lucier, Brendan On the limitations of greedy mechanism design for truthful combinatorial auctions. *ACM Trans. Econ. Comput.* 5 (2016), no. 1, Art. 2, 23 pp. 91B26 (68W25) | [Review PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)
- MR3564786** Pending Borodin, Alexei; Gorin, Vadim Moments match between the KPZ equation and the Airy point process. *Comm. Pure Appl. Math.* 70 (2017), no. 1, 1–27. 60K35 (60G15 60H15)

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- Institutions**
- Sobolev Institute of Mathematics, Siberian Branch Russian Academy of Sciences (171)
  - Department of Computer Science, University of Toronto (70)

**Authors**

- MR3607467** **Prelim** B  
(2 + 1)d Growth Model.   
Review PDF | Clipboard | Jour
- MR3595380** **Prelim** B  
Polytopes with Minimum   
Review PDF | Clipboard | Jour
- MR3594371** **Prelim** B  
in 3-Polytopes. *Graphs C*   
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- MR3581324** **Pending** B  
82C22 (05E05 33C52 81   
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- MR3578794** **Pending** B  
*Discrete Math.* 340 (2017   
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- MR3576296** **Pending** B  
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- MR3567767** **Pending** B  
combinatorial auctions. *A*   
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- MR3564786** **Pending** B

**评论状态**

### Prelim 初步

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### Pending 待定

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### Reviewed 评论

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评论也已完成。

### Indexed 索引

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并被索引。

### Expansion 扩展

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### DML 数字数学图书馆

此出版物关联于全世界范围内的数字化项目——世界数字数学资源图书馆 (WDML)。此出版物可以通过题目、作者、期刊名称、出版年限进行检索，并提供原始数字资料的链接。

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**MR3607467**

Prelim

Borodin, Alexei; Corwin, Ivan; Toninelli, Fabio Lucio; Stochastic Heat Equation Limit of a  $(2+1)d$  Growth Model. *Comm. Math. Phys.* 350 (2017), no. 3, 957–984. 82C22 (60)

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**MR3581324**

Pending

Borodin, Alexei

**82C22 (05E05 33C52 81P45)**

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Communications in Mathematical Physics

ISSN: 0010-3616 (Print) 1432-0916 (Online)

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Peter Schauenburg (March 2017)  
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| Impact Factor | Available    |
| 2.375         | 1965 - 2017  |
| Volumes       | Issues       |
| 350           | 1,127        |
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| 9,835         | 162 Articles |

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Publications results for "Author=(borodin)"

MR3145262 Reviewed

Borodin, O. V.(RS-AOSSI); Ivanova, A. O.(RS-NEFU); Kostochka, A. V.(1-IL-NDM)

**Describing faces in plane triangulations.** (English summary)*Discrete Math.* 319 (2014), 47–61.

05C10 (05C07)

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## Citations

From References: 1

From Reviews: 0

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This paper deals with degrees of vertices in triangulated 3-polytopes. In fact, its main aim is to characterize the faces of any kind of plane triangulations. Such triangulations can be seen as graph embeddings without loops or multiple edges. In this sense,  $(k_1, k_2, k_3)$  is an upper bound for a face (with three vertices), when the smallest, the medium, and the highest degrees are less than or equal to  $k_1$ ,  $k_2$ , and  $k_3$ , respectively. In the first part of the article, the authors provide an introduction to the most remarkable aspects about bounds for the degrees of vertices and faces, when dealing with the previously mentioned topological entities. Finally, they prove that every plane triangulation contains a face with the vertex-degrees majorized by one of the following triples:  $(3, 4, 31)$ ,  $(3, 5, 21)$ ,  $(3, 6, 20)$ ,  $(3, 7, 13)$ ,  $(3, 8, 14)$ ,  $(3, 9, 12)$ ,  $(3, 10, 12)$ ,  $(4, 4, \infty)$ ,  $(4, 5, 11)$ ,  $(4, 6, 10)$ ,  $(4, 7, 7)$ ,  $(5, 5, 7)$ , or  $(5, 6, 6)$ . They also show that these bounds are all sharp by constructing an example. Although faces are more restricted in the class of plane triangulations than in arbitrary normal plane maps, they improve previous results by Lebesgue (1940) and Jendrol' (1999).

Reviewed by [Eugenio M. Fedriani Martel](#)

## 例2：对Author作者资料检索

- 检索结果：与该作者相关的数据
  - 该作者的文章
  - **Co-Authors**
  - **Co-Authors**之间的相互“合作深度”



出版物

**作者**

杂志

Citations

注意：检索词Hua  
可以作为姓，也可以  
作为名进行检索。

作者姓名: or MR Author ID

Hua

例如: Hilbert, D\* or 85745

搜索

事实与统计数字: 829,697 位作者被编入索引

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Primary Classification

- Numerical analysis (389)
- Systems theory; control (374)
- Operations research, mathematical programming (349)
- Ordinary differential equations (338)

| Profile Name            | Published as  | Earliest Publication | # Publications | # Citations |
|-------------------------|---|----------------------|----------------|-------------|
| Hua, Luo Geng           | Hua, Loo-Keng (51)<br>Hua, Loo-keng (32)<br>Hua, L. K. (16)<br>Hua, Loo Keng (13)<br>Hua, Luo Geng (9)<br>Hua Lo-keng (8)<br>Hua, Lo-Kên (6)<br>Hua Luo-geng (5)<br>Hua, L.-k. (5)<br>Hua Loo Keng (2)<br>Hua Loo-keng (2)<br>Hua, Lo-gèn (2)<br>Hua Lo-gen (1)<br>Hua, L. K (1)<br>Hua, Lo Ken (1)<br>Hua, Lo-ken (1)<br>Hua, Loo-Kong (1) | 1939                 | 156            | 1549        |
| Xu, Quan Hua            | Xu, Quanhua (47)<br>Xu, Quan Hua (22)<br>Xu, Q. (2)<br>Shu, Kuankhua (1)  | 1985                 | 72             | 1087        |
| Teng, Shang-Hua         | Teng, Shang-Hua (108)<br>Teng, Shang-hua (3)<br>Teng, S.-H. (2)   | 1990                 | 113            | 869         |
| Liang, Hua <sup>1</sup> | Liang, Hua (140)<br>Liang, H. (2)   | 1993                 | 142            | 747         |



## Hua, Luo Geng


MR Author ID:

Earliest Indexed Publication:

Total Publications:

Total Author/Related Publications:

Total Citations:

 Published as: Hua, Luogen

- Hua Lo-gen
- Hua Lo-keng
- Hua Loo Keng
- Hua Loo-keng
- Hua Luo-geng
- Hua, L. K
- Hua, L. K.
- Hua, L.-k.
- Hua, Lo Kêng
- Hua, Lo Ken
- Hua, Lo-Kèn
- Hua, Lo-Keng
- Hua, Lo-gèn
- Hua, Lo-ken
- Hua, Lo-keng
- Hua, Loo Keng
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[Co-Authors](#)

### Co-authors (by number of collaborations)

Duan, Xue Fu   Lin, Wei<sup>1</sup>   Lin Wei   Lu, Qi  
Keng   Min, Sze-hoa   Min Szu-he   Reiner,  
Irving   Rosenfeld, Boris Abramovich

## 例3：通过MSC数学主题分类检索





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杂志

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| 题目           |       | 以及 |  |
| 首选数学主题分类号    | 82C22 | 以及 |  |
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### Review For

**Mathematics Subject Classification(MSC)** 数学主题分类是由美国《数学评论》编写。每一个分类项目都有一个一级分类，许多项目都有一个或者多个二级分类。

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- Prelim (18)
- Pending (13)

Institutions

- Institute of Pure and Applied Mathematics (IMPA) (26)
- Institute for Theoretical (24)

- MR3610216** Prelim Fantoni, Riccardo; One-Dimensional Fluids with Positive Potentials. *J. Stat. Phys.* 166 (2017), no. 5, 1334–1342. **82C22 (76)**  
Review PDF | Clipboard | Journal | Article
- MR3610214** Prelim Bessaih, Hakima; Coghi, Michele; Flandoli, Franco; Mean Field Limit of Interacting Filaments and Vector Valued Non-linear PDEs. *J. Stat. Phys.* 166 (2017), no. 5, 1276–1309. **82C22 (35Q35 37C05 60G09 60G57 70F45)**  
Review PDF | Clipboard | Journal | Article
- MR3608289** Prelim Pulvirenti, M.; Simonella, S.; The Boltzmann–Grad limit of a hard sphere system: analysis of the correlation error. *Invent. Math.* 207 (2017), no. 3, 1135–1237. **82C22 (35)**  
Review PDF | Clipboard | Journal | Article
- MR3607598** Prelim Ghosh, Subhro; Lebowitz, Joel; Erratum to: Number Rigidity in Superhomogeneous Random Point Fields. *J. Stat. Phys.* 166 (2017), no. 3-4, 1028. **82C22 (60)**  
Review PDF | Clipboard | Journal | Article
- MR3607597** Prelim Ghosh, Subhro; Superhomogeneous Random Point Fields. *J. Stat. Phys.* 166 (2017), no. 3-4, 1027–1042. **82C22 (60)**  
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- Select a Mathematics Subject Classification
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  - 03 Mathematical logic and foundations
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  - 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
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  - 17 Nonassociative rings and algebras
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Classification expansion for '82C22,(05E05,33C52,81P45)'

### Primary Classification

- 82** (1940-now) Statistical mechanics, structure of matter
- 82C** (1991-now) Time-dependent statistical mechanics (dynamic and nonequilibrium)
- 82C22** (1991-now) Interacting particle systems [See also [60K35](#)]

### Secondary Classification

- 05** (1940-now) Combinatorics [For finite fields, see [11Txx](#)]
- 05E** (1991-now) Algebraic combinatorics
- 05E05** (1991-now) Symmetric functions and generalizations
- 33** (1940-now) Special functions (33-XX deals with the properties of functions; for combinatorics see [05Axx](#); for number-theoretic aspects see [11-XX](#); for real and complex analysis see [33-XX](#))
- 33C** (1991-now) Hypergeometric functions
- 33C52** (2000-now) Orthogonal polynomials and functions associated with a particular class of automorphic functions, the hypergeometric function, and related functions
- 81** (1940-now) Quantum theory
- 81P** (1991-now) Axiomatics, foundations, philosophy
- 81P45** (2010-now) Quantum information, communication, networks [See also [81P05](#), [81P10](#), [81P15](#), [81P20](#), [81P25](#), [81P30](#), [81P35](#), [81P40](#), [81P42](#), [81P43](#), [81P44](#), [81P46](#), [81P47](#), [81P48](#), [81P49](#), [81P50](#), [81P51](#), [81P52](#), [81P53](#), [81P54](#), [81P55](#), [81P56](#), [81P57](#), [81P58](#), [81P59](#), [81P60](#), [81P61](#), [81P62](#), [81P63](#), [81P64](#), [81P65](#), [81P66](#), [81P67](#), [81P68](#), [81P69](#), [81P70](#), [81P71](#), [81P72](#), [81P73](#), [81P74](#), [81P75](#), [81P76](#), [81P77](#), [81P78](#), [81P79](#), [81P80](#), [81P81](#), [81P82](#), [81P83](#), [81P84](#), [81P85](#), [81P86](#), [81P87](#), [81P88](#), [81P89](#), [81P90](#), [81P91](#), [81P92](#), [81P93](#), [81P94](#), [81P95](#), [81P96](#), [81P97](#), [81P98](#), [81P99](#)]

**MSC**由五个字符组成，被《数学评论》和《最新数学出版物》广泛应用。以**82C22**为例，**82**代表**Statistical mechanics, structure of matter**。**82C**代表**Time-dependent statistical mechanics**。**82C22**代表**Interacting particle systems**。在搜索时，可以输入前两个或三个字符来扩大搜索范围。

## 例4：组合检索



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搜索项目

|           |               |    |
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| 仅限作者姓名    | Borodin       | 以及 |
| 题目        | Z-measures on | 以及 |
| 首选数学主题分类号 |               | 以及 |
| 该评论中的任何词语 |               |    |



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 Borodin, A. M. (2)  
 Ol'shanskiĭ, G. I. (2)

- MR2143199** Reviewed Borodin, Alexei; Olshanski, Grigori *Z-measures on partitions and their scaling limits. European J. Combin.* 26 (2005), no. 6, 795–834. (Reviewer: Bernhard Gittenberger) 60C05 (05E35 33C80 33C99 82B20 82D44)  
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- MR1842783** Reviewed Borodin, Alexei; Olshanski, Grigori *z-measures on partitions, Robinson-Schensted-Knuth correspondence, and  $\beta = 2$  random matrix ensembles. Random matrix models and their applications, 71–94, Math. Sci. Res. Inst. Publ., 40, Cambridge Univ. Press, Cambridge, 2001. (Reviewer: Nicholas S. Witte) 82B41 (05E10)*

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- MR3483829** Reviewed **Liu, Zhangju; Sheng, Yunhe; Xu, Xiaomeng** The Pontryagin class for pre-Courant algebroids. *J. Geom. Phys.* 104 (2016), 146–162. (Reviewer: Zhuo Chen) 17B55 (53D17)  
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- MR3465885** Reviewed **Sheng, Yunhe; Liu, Zhangju** From Leibniz algebras to Lie 2-algebras. *Algebr. Represent. Theory* 19 (2016), no. 1, 1–5. 17A32 (17B55)  
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- MR3448428** Reviewed **Lang, Honglei; Liu, Zhangju** Crossed modules for Lie 2-algebras. *Appl. Categ. Structures* 24 (2016), no. 1, 55–76. (Reviewer: Elena Poletaeva) 17B55  
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- MR3431158** Reviewed **Jiang, Bo Ju** On Conway's potential function for colored links. *Acta Math. Sin. (Engl. Ser.)* 32 (2016), no. 1, 25–39. (Reviewer: Hitoshi Murakami) 57M25 (20F36 57M27)  
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- MR3431665** Reviewed **Derbez, Pierre; Liu, Yi; Wang, Shicheng** Chern-Simons theory, surface separability, and volumes of 3-manifolds. *J. Topol.* 6 (2013), no. 4, 933–974. (Reviewer: Colin C. Adams) 57M50 (58J28)  
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- MR3344427** Reviewed **Liu, Honghu; Sengul, Taylan; Wang, Shouhong; Zhang, Pingwen** Dynamic transitions and pattern formations for a Ginzburg-Landau model with long-range repulsive interactions. *Commun. Math. Sci.* 13 (2015), no. 5, 1289–1315. (Reviewer: Christopher P. Grant) 35K35 (35A15 35B32 35B36 35R11 37L05 37L10)

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- School of Mathematics, Tata Institute of Fundamental Research (61)
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Authors

- Ngô, Bào (15)

- MR3567651** Pending Severino, Federico Isometric operators on Hilbert spaces and Wold decomposition of stationary time series. *Decis. Econ. Finance* 39 (2016), no. 2, 203–234. 46C05 (60G10 62M10 91B84)  
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- MR3559913** Reviewed Fine, Benjamin; Rosenberger, Gerhard Number theory. An introduction via the density of primes. Second edition. *Birkhäuser/Springer, Cham*, 2016. xiii+413 pp. ISBN: 978-3-319-43873-3; 978-3-319-43875-7 11-01  
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- MR3559393** Indexed Ceng, Lu-Chuan; Liou, Yeong-Cheng; Wen, Ching-Feng Minty-type Lemmas and generalized vector equilibrium-like problems in normed spaces. *J. Adv. Math. Stud.* 9 (2016), no. 2, 278–290. 49J53 (47J20 90C29)  
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- MR3556514** Pending Gogolev, Andrey; Lafont, Jean-François Aspherical products which do not support Anosov diffeomorphisms. *Ann. Henri Poincaré* 17 (2016), no. 11, 3005–3026. 37D20 (37C25 55R10 57R19)  
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- MR3549462** Pending Saeedi Bidokhti, Shirin; Prabhakaran, Vinod M.; Diggavi, Suhas N. Capacity results for multicasting nested message sets over combination networks. *IEEE Trans. Inform. Theory* 62 (2016), no. 9, 4968–4992. 94A12  
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- MR3544846** Pending Lu, Wangtao; Qian, Jianliang; Burrige, Robert Babich-like ansatz for three-dimensional point-source Maxwell's equations in an inhomogeneous medium at high frequencies. *Multiscale Model. Simul.* 14 (2016), no. 3, 1089–1122. 65N80 (35Q61 78A25 78M99)  
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- MR3541491** Pending Ishida, Toshikazu; Inokuchi, Shuichi; Kawahara, Yasuo Propositional logic and cellular automata on monoids. *J. Cell. Autom.* 12 (2016), no. 1-2, 27–45. 68Q80 (03B70 68Q70)  
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- Ngô, Báo Châu (15) ▲

- MR3522182** Pending Morel, Sophie Construction de représentations galoisiennes de torsion [d'après Peter Scholze]. (French) [Construction of torsion Galois representations (after Peter Scholze)] *Astérisque* No. 380, Séminaire Bourbaki. Vol. 2014/2015 (2016), Exp. No. 1102, 449–473. ISBN: 978-2-85629-836-7 14G22 (11F66 14F30)  
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- MR3496579** Reviewed Taelman, Lenny Sheaves and functions modulo  $p$ . Lectures on the Woods Hole trace formula. London Mathematical Society Lecture Note Series, 429. Cambridge University Press, Cambridge, 2016. vi+125 pp. ISBN: 978-1-316-50259-4 (Reviewer: David Goss) 11M38 (11G09 14F05 14F30)  
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- MR3479805** Reviewed Rao, Ravi A.; Jose, Selby The orbit set and the orthogonal quotient. *J. Algebra Appl.* 15 (2016), no. 6, 1650101, 14 pp. (Reviewer: Alexander Yu. Luzgarev) 19B14 (13C10 15A63 19A13)  
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- MR3463883** Reviewed Ouedraogo, Adama Explicit conditions for the uniqueness of solutions for parabolic degenerate problems. *Int. J. Dyn. Syst. Differ. Equ.* 6 (2016), no. 1, 75–86. 35K65 (35A02 35K15 35K59)  
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- MR3418244** Reviewed Li, Wen-Wei La formule des traces stable pour le groupe métaplectique: les termes elliptiques. (French) [Stable trace formula for the metaplectic group: the elliptic terms] *Invent. Math.* 202 (2015), no. 2, 743–838. (Reviewer: Dominic A. Lanphier) 11F72 (11F27 11F70)  
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- MR3395655** Reviewed Polák, Jason K. C. Exposing relative endoscopy in unitary symmetric spaces. *Res. Math. Sci.* 2 (2015), Art. 9, 22 pp. (Reviewer: Lei Yang) 11F72 (20G25 22E35)  
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- MR3388214** Reviewed Gowers, W. T.; Viola, Emanuele The communication complexity of interleaved group products. *STOC'15—Proceedings of the 2015 ACM Symposium on Theory of Computing*, 351–360, ACM, New York, 2015. (Reviewer: Takunari Miyazaki) 68Q05 (05C80 20D60 20P05 60B15 94A05)  
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 Laumon, Gérard (10)  
 Chaudouard, Pierre-Henri (5)  
 Harris, Michael (2)

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- MR2434884** Reviewed Laumon, Gérard (French) [The fundamental lemma for reductive groups] *Compos. Math.* 146 (2010), no. 6, 1416–1506. (Reviewer: Anne-Marie H. Aubert) 22E50 (11F72)  
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- MR1381898** Reviewed Laumon, Gérard Cohomology of Drinfeld modular varieties. Part I. Geometry, counting of points and local harmonic analysis. *Cambridge Studies in Advanced Mathematics*, 41. Cambridge University Press, Cambridge, 1996. xiv+344 pp. ISBN: 0-521-47060-9 11F70 (11F72 11G09 14G35 22E55)  
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- MR1439250** Reviewed Laumon, Gérard Cohomology of Drinfeld modular varieties. Part II. Automorphic forms, trace formulas and Langlands correspondence. With an appendix by Jean-Loup Waldspurger. *Cambridge Studies in Advanced Mathematics*, 56. Cambridge University Press, Cambridge, 1997. xii+366 pp. ISBN: 0-521-47061-7 (Reviewer: Jonathan David Rogawski) 11F70 (11F72 11G09 14G35 22E55)  
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- MR2234859** Reviewed Laumon, Gérard Fonctions zêtas des variétés de Siegel de dimension trois. (French) [Zeta functions of Siegel threefolds] *Formes automorphes. II. Le cas du groupe  $GSp(4)$ . Astérisque No. 302 (2005)*, 1–66. 22E55 (11F46 14G10 14G35)  
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- MR2735371** Reviewed Chaudouard, Pierre-Henri; Laumon, Gérard Le lemme fondamental pondéré. I. Constructions géométriques. (French) [The weighted fundamental lemma. I. Geometric constructions] *Compos. Math.* 146 (2010), no. 6, 1416–1506. (Reviewer: Anne-Marie H. Aubert) 22E55 (11F70 11F72 11R39 14D23)  
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- MR2979859** Reviewed Chaudouard, Pierre-Henri; Laumon, Gérard Le lemme fondamental pondéré. II. Énoncés cohomologiques. (French) [The weighted fundamental lemma. II. Cohomology theorems] *Ann. of Math. (2)* 176 (2012), no. 3, 1647–1781. (Reviewer: Anne-Marie H. Aubert) 11F70 (11F72 22E50)  
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