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- 美国数学学会 (AMS) 1888年成立
- 全球有超过3万人的个人会员，以及近600个学术机构会员
- 截至2016年11月，超过20,000名MR特约评论员 (活跃)
- AMS成立宗旨
 - 促进全球数学领域的研究和交流
 - 为数学教育的各个领域提供支持和服务
 - 提升数学的专业性，并且鼓励和协助个人积极参与
 - 促进数学与其他研究领域相互交流

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创始编辑Otto Neugebauer奥托·诺伊格鲍尔

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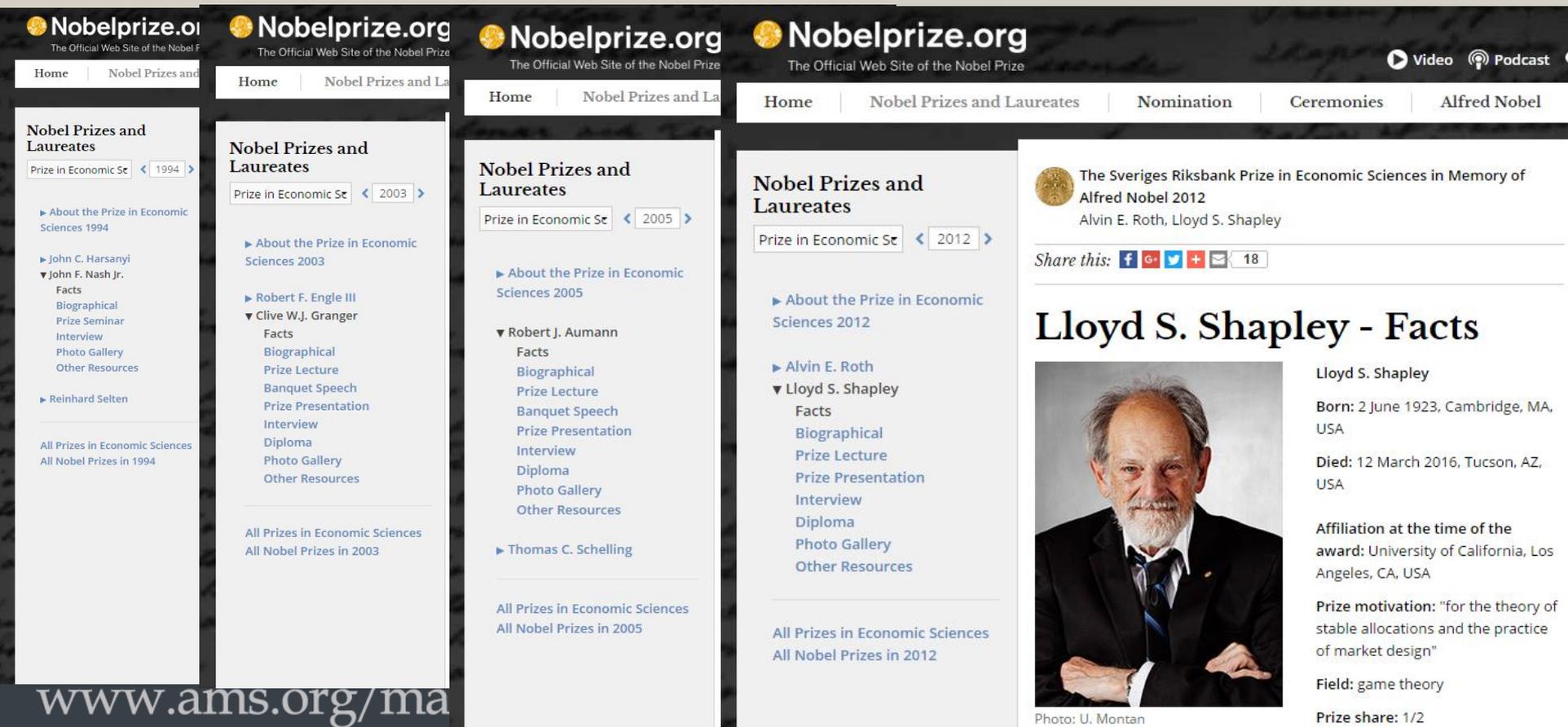
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诺贝尔经济奖得主与《数学评论》的故事

诺贝尔经济学奖得主中有一半是数学出身，其中约翰纳什（1994）、克莱夫·格兰杰（2003）、罗伯特·约翰·奥曼（2005）、罗伊德·沙普利（2012）等人均为《数学评论》的评论员，以及计量经济学大师彼得·菲利普斯等。



The image displays four screenshots of the Nobelprize.org website, illustrating the user interface for viewing laureates and facts for the Nobel Prize in Economic Sciences.

- Screenshot 1 (1994):** Shows the "Nobel Prizes and Laureates" page for the year 1994. The laureate listed is John F. Nash Jr. The page includes links for "About the Prize in Economic Sciences 1994", "Facts", "Biographical", "Prize Seminar", "Interview", "Photo Gallery", and "Other Resources".
- Screenshot 2 (2003):** Shows the "Nobel Prizes and Laureates" page for the year 2003. The laureate listed is Clive W.J. Granger. The page includes links for "About the Prize in Economic Sciences 2003", "Robert F. Engle III", "Facts", "Biographical", "Prize Lecture", "Banquet Speech", "Prize Presentation", "Interview", "Diploma", "Photo Gallery", and "Other Resources".
- Screenshot 3 (2005):** Shows the "Nobel Prizes and Laureates" page for the year 2005. The laureate listed is Robert J. Aumann. The page includes links for "About the Prize in Economic Sciences 2005", "Facts", "Biographical", "Prize Lecture", "Banquet Speech", "Prize Presentation", "Interview", "Diploma", "Photo Gallery", and "Other Resources".
- Screenshot 4 (2012):** Shows the "Nobel Prizes and Laureates" page for the year 2012. The laureate listed is Lloyd S. Shapley. The page includes links for "About the Prize in Economic Sciences 2012", "Alvin E. Roth", "Facts", "Biographical", "Prize Lecture", "Prize Presentation", "Interview", "Diploma", "Photo Gallery", and "Other Resources".

The rightmost screenshot provides a detailed view of the "Lloyd S. Shapley - Facts" page, including a portrait of Lloyd S. Shapley and the following information:

- Name:** Lloyd S. Shapley
- Born:** 2 June 1923, Cambridge, MA, USA
- Died:** 12 March 2016, Tucson, AZ, USA
- Affiliation at the time of the award:** University of California, Los Angeles, CA, USA
- Prize motivation:** "for the theory of stable allocations and the practice of market design"
- Field:** game theory
- Prize share:** 1/2

Photo: U. Montan

Nash, John Forbes, Jr.

MR Author ID: **366251**
 Earliest Indexed Publication: **1950**
 Total Publications: **26**
 Total Author/Related Publications: **59**
 Total Citations: **1726**

- Published as: Nash, J. F. ...
- Nash, John F.
- Nash, John F., Jr.
- Něš, Dž.
- Nash, J.
- Nash, John
- Nash, John F., Jr
- Nash, John Forbes

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Publications results for "Items reviewed by Nash, John Forbes, Jr. "

MR0094355 (20 #873) Reviewed

Wallace, A. H.
Algebraic approximation of curves.
Canad. J. Math. **10** 1958 242–278.
 14.00
[PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#) | [Make Link](#)

Citations
From References: 4
From Reviews: 1

The title of this paper corresponds only to its first two portions, which develop the information used later to answer questions concerning the geometrical structure of real algebraic varieties, and thus it does not indicate the paper's full content. The first part of the paper deals with the approximation of curves formed by segments which are analytic arcs by curves formed by arcs which are parts of algebraic curves. This is done first for curves lying in the plane, then in n -space, then in a variety. Later, "in part III the sheets of a real algebraic variety are defined, namely, as sets maximal with respect to the property that any two points can be joined by an analytic arc in the set... Next, a local study of a real algebraic variety shows that it has locally the structure of a cell complex in the sense of Whitehead." Finally, the author answers some questions posed earlier by the reviewer [Ann. of Math. (2) **56** (1952), 405–421; [MR0050928](#)]. He shows that the number of sheets of a variety is finite, that they are closed sets, and that every point of the variety is contained in some proper sheet. A proper sheet is defined as one such that a neighborhood of some point of the sheet contains no points of the variety not in the sheet. This concept of "proper sheets" corresponds to the "sheets" of the reviewer's paper. A question raised by the author, concerning the cell decomposition of a variety, is that of a possible criterion for two cells with common frontier to lie in the same sheet.

Reviewed by John Nash

Granger, Clive William John

MR Author ID: **76105**
 Earliest Indexed Publication: **1963**
 Total Publications: **87**
 Total Author/Related Publications: **92**
 Total Citations: **405**

- Published as: Granger, C. W. ...
- Granger, C. W. J.
- Granger, Clive
- Granger, Clive W. J.



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- [Probability theory and stochastic processes](#)
- [Statistics](#)**



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Publications results for "Items reviewed by Granger, Clive William John "

MR0431575 (55 #4572) Reviewed

[Pierce, David A.](#)

Forecasting in dynamic models with stochastic regressors.

J. Econometrics **3** (1975), no. 4, 349–374.

[62M20 \(90A20\)](#)

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If x_t and y_t are two stationary series and y_t is related to past and present values of the exogenous variable x_t in a dynamic regression, transfer-function model, the extent to which y_t can be better forecast using the information in x_t than just from its own past is investigated. When the transfer function is invertible, i.e., possesses an inverse, simple conditions for a reduction in one-step forecast error variance are given, together with consequences for multi-step forecasts. An alternative definition of R^2 is provided, designed to measure the extra information that x_t provides over and above the extent to which y_t can be explained from its own past.

When the transfer function is not invertible, there is shown to be a dual invertible relationship, but the forecasts from the non-invertible model have the smaller mean-square error.

A number of examples are provided.

Reviewed by C. W. J. Granger

Aumann, Robert J.

MR Author ID: **28255**
 Earliest Indexed Publication: **1956**
 Total Publications: **78**
 Total Author/Related Publications: **97**
 Total Citations: **1683**

- Published as: Aumann, R. ...
 Aumann, R. J.
 Aumann, Robert
 Auman, R.
 Auman, Robert J.
 {\cyr Auman, R.}

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Publications results for "Items reviewed by Aumann, Robert J. "

MR0173556 (30 #3769) Reviewed

Lemke, C. E.; Howson, J. T., Jr.

Equilibrium points of bimatrix games.

J. Soc. Indust. Appl. Math. **12** 1964 413–423.

[90.70 \(90.50\)](#)

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Citations

[From References: 72](#)

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The first algebraic proof of the theorem that every two-person non-constant-sum game with finitely many strategies for each player has a Nash equilibrium point. This important paper successfully culminates a series of developments beginning with Nash [Proc. Nat. Acad. Sci. U.S.A. **36** (1950), 48–49; [MR0031701](#); Ann. of Math. (2) **54** (1951), 286–295; [MR0043432](#)]. Nash's proofs are valid for n -person games with arbitrary n , but they use fixed point theorems, and so a priori they hold for the real field only. In 1958 Vorob'ev [Teor. Veroyatnost. i Primenen. **3** (1958), 318–331; [MR0100515](#)] constructed an algebraic algorithm for finding all equilibrium points in the two-person case, but did not succeed in turning his algorithm into an algebraic existence proof; however, his method does prove that the theorem is true for any subfield of the reals. Kuhn [Proc. Nat. Acad. Sci. U.S.A. **47** (1961), 1657–1662; [MR0135997](#)] improved Vorob'ev's algorithm but also failed to find an algebraic existence proof. Recently Griesmer, Hoffman, and Robinson ["On symmetric bimatrix games", IBM Research Report, 1963] showed that the truth of the theorem in the real field implies its truth in an arbitrary ordered field. All this tended to confirm the long-standing suspicion that there must be an algebraic existence proof lurking in the background; the current paper provides it.

The very elegant proof is related to linear programming methods. First an assumption of non-degeneracy is made, and it is proved that the number of equilibrium points under that assumption must be odd, so in particular it cannot vanish. The general case is then reduced to the non-degenerate case. The proof is constructive, leading to an efficient scheme for computing an equilibrium point

None of the above-mentioned developments after the Nash papers apply to games with more than two players. The situation for such games is presumably fairly complicated, because there do exist three-person games with rational payoff functions whose unique equilibrium point is irrational.

Reviewed by R. J. Aumann

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Shapley, Lloyd S.

MR Author ID: **159845**
 Earliest Indexed Publication: **1948**
 Total Publications: **69**
 Total Author/Related Publications: **76**
 Total Citations:

Published as: AMERICAN MATHEMATICAL SOCIETY

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Publications results for "Items reviewed by Shapley, Lloyd S. "

MR0062411 (15,975e) Reviewed

[Luce, R. Duncan](#)

A definition of stability for n -person games.

Ann. of Math. (2) **59**, (1954). 357-366.

90.0X

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The purpose of the definition is to measure the ease with which disruptive coalitions can form in an n -person game. Let $v(S)$ denote the amount which the coalition S can win by optimal play against its complement $I - S$, let x be a function on I satisfying $\sum_I x(i) = v(I)$, $x(i) \geq v(\{i\})$, all $i \in I$, and let τ be a proper partition of I . Then (x, τ) is defined to be k -stable if (i) $\sum_T x(i) \geq v(T)$ for every T differing from an element of τ by at most k elements and (ii) $x(i) = v(\{i\})$ only if $\{i\} \in \tau$. The game is said to be k -stable if there exists such a k -stable pair. The author establishes a number of results, for example: a simple game ($v(S) = 0$ or 1 , all S) is k -stable if and only if the intersection of all $(k+1)$ -element coalitions S with $v(S) = 1$ is nonempty, and in particular is 1-stable unless it is strategically equivalent to the 3-person majority game with $n-3$ dummy players added.

Reviewed by L. S. Shapley

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- MR3614782** Prelim Barbosa Torres dos Santos, Leonardo; Bertachini de Almeida Prado, Antonio F.; Merguizo Sanchez, Diogo; Equilibrium points in the restricted synchronous three-body problem using a mass dipole model. *Astrophys. Space Sci.* 362 (2017), no. 3, 362:61. [70F07 \(70F15\)](#)
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 Reviewed (4633)

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- MR3612975** Prelim Brandão Dias, Lúcia; Delgado, Joaquín; Vidal, Claudio; Dynamics and Chaos in the Elliptic Isosceles Restricted Three-Body Problem with Collision. *J. Dynam. Differential Equations* 29 (2017), no. 1, 259–288. [70F15 \(37N05 70F07\)](#)
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Ann. Probab.
Volume 42, Number 6 (2014), 2314-2382.

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From duality to determinants for q -TASEP and ASEP

Alexei Borodin, Ivan Corwin, and Tomohiro Sasamoto

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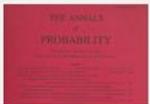
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MR0005782 (3,206d) Reviewed

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Hilbert distances and positive definite functions.*Ann. of Math. (2)* **42**, (1941). 647–656.

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Let \mathfrak{G} be a separable and compact space with a Lebesgue measure possessing the usual properties, and \mathfrak{C} a transitive group of motions $s: P \rightarrow sP$ in \mathfrak{G} . A function $F(P, Q, \dots)$ in \mathfrak{G} is called group invariant if $F(sP, sQ, \dots) \equiv F(P, Q, \dots)$ for all $se \in \mathfrak{C}$. The main subject of this paper is the study of those group-invariant metrics $\rho(P, Q)$ in \mathfrak{G} (generating the given topology of \mathfrak{G} , possibly with identifications) with which \mathfrak{G} can be imbedded isometrically into Hilbert space, that is, the Hilbert distances in \mathfrak{G} . Following K. Menger [Math. Ann. **103**, 466–501 (1930)] and I. J. Schoenberg [Ann. of Math. (2) **41**, 715–726 (1940); cf. [MR0002903](#)], a connection is established between these distances and the positive functions of \mathfrak{G} , that is, those continuous and group-invariant functions $f(P, Q)$ for which

$$\sum_{i,j=1}^n f(P_i, P_j) \rho_i \bar{\rho}_j \geq 0$$

for all finite systems $P_i, \rho_i, i = 1, \dots, n$. Then $\rho(P, Q)$ turns out to be a Hilbert distance if and only if it is of the form $(C - f(P, Q))^{\frac{1}{2}}$, $f(P, Q)$ being any positive function in \mathfrak{G} (C is the constant value of $f(\phi, \phi)$).

The representation theory of \mathfrak{C} in \mathfrak{G} following Bochner, J. v. Neumann and H. Weyl is carefully gone into, and explicit forms for $\rho^2(P, Q)$ -s orthogonal expansions in representation functions of \mathfrak{C} in \mathfrak{G} are obtained. They turn out to be absolutely and uniformly convergent expressions of the absolute value square sum type.

[For the analogous problem of determining the Hilbert distances in the case of (non-compact) vector groups, cf. the theory of screw lines, J. von Neumann and I. J. Schoenberg, Trans. Amer. Math. Soc. **50**, 226–251 (1941); cf.

[MR0004644](#). For the general theory of positive functions on (non-compact) commutative groups, cf. A. Powzner, C. R. (Doklady) Acad. Sci. USSR (N.S.) **28**, 294–295 (1940), and A. Raikow, C. R. (Doklady) Acad. Sci. USSR (N.S.) **27**, 324–327 (1940); **28**, 296–300 (1940); cf. [MR0003460](#).]

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Some theorems concerning prime numbers. (Swedish)

1. [B] Ark. f. Mat., Astron. och Fys. 15, Nr. 5, 33 S.
Published: 1921
2. A In den 3 ersten Kapiteln wird die Riemannsche Vermutung als wahr angenommen. \par 1. p_n bezeichne die n -te Primzahl. Die bekannte Formel $p_{n+1} - p_n = O(\frac{1}{\log^3 x})$ \par 3. $\psi(x)$ bedeute die Tschebyscheffsche und f. jedes wachsende positive $h(x)$, welches $= O(x)$ ist, $\frac{1}{h} \int_1^{x+h} \left| \frac{\psi(t) - t}{\sqrt{t}} \right| dt = O\left(\sqrt{\frac{x}{h}}\right)$ \par algebraischen Zahlkörper n -ten Grades der Grundzahl Δ , wenn r_1 die Anzahl der konjugierten reellen Körper, h die Anzahl der positiven Wurzeln der Funktion bewiesen: $\lim_{T \rightarrow \infty} \frac{1}{T} \int_0^T R(v) dv = 1 - \frac{1}{2} - \frac{1}{3} - \frac{1}{4} - \dots$
- 5 [[Landau, Prof. \(Göttingen\)](#)]
4. D *Subject heading:* Zweiter Abschnitt. Arithmetik und Algebra. Kapitel 8. Algebraische Zahlen. Analytische Zahlentheorie.
 06466325. <http://dx.doi.org/10.1007/s00039-015-0324-9>. [MR3361771](#)
5. H. CRAMÉR, Some theorems concerning prime numbers, *Ark. Mat. Astr. Fys.* **15** (1920), 1–33. JFM 47.0156.01.
6. H. CRAMÉR, On the order of magnitude of the difference between consecutive prime numbers, *Acta Arith.* **2** (1936), 23–46. Zbl 0015.19702.
7. H. DAVENPORT, *Multiplicative Number Theory*, third ed., *Graduate Texts in Math.* **74**, Springer-Verlag, New York, 2000. MR 1790423. Zbl 1002.11001. [MR1790423](#)

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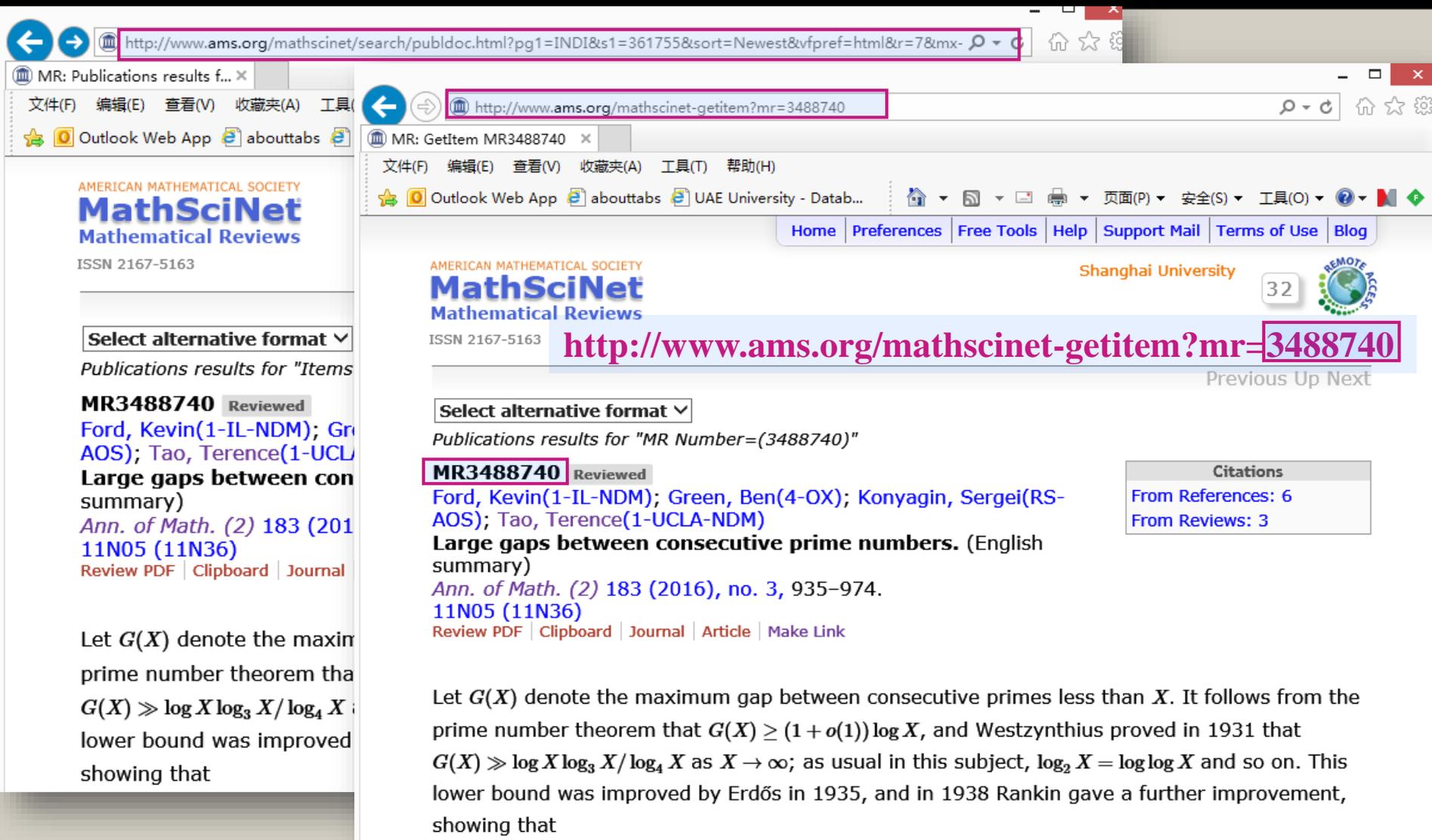
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with $c = 1/3$. Again, the constant c has been improved several times till Pintz's result $c = 2e^7$ in 1997, and Erdős conjectured that c can be taken arbitrarily large. In this paper, the authors prove Erdős' conjecture. The proof is based on a combination of previous techniques in the subject with a random construction covering a set of primes by arithmetic progressions, related to the well-known recent work on the existence

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with $c = 1/3$. Again, the constant c has been improved several times till Pintz's result $c = 2e^7$ in 1997, and Erdős conjectured that c can be taken arbitrarily large. In this paper, the authors prove Erdős' conjecture. The proof is based on a combination of previous techniques in the subject with a random construction covering a set of primes by arithmetic progressions, related to the well-known recent work on the existence



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Issue results for "Advances in

16 (2016), no. 3

16 (2016), no. 2

16 (2016), no. 1

15 (2015), no. 4

15 (2015), no. 3

15 (2015), no. 2

15 (2015), no. 1

14 (2014), no. 4

14 (2014), no. 3

2015 Citations to Adv. Geom.

in the MR Citation Database

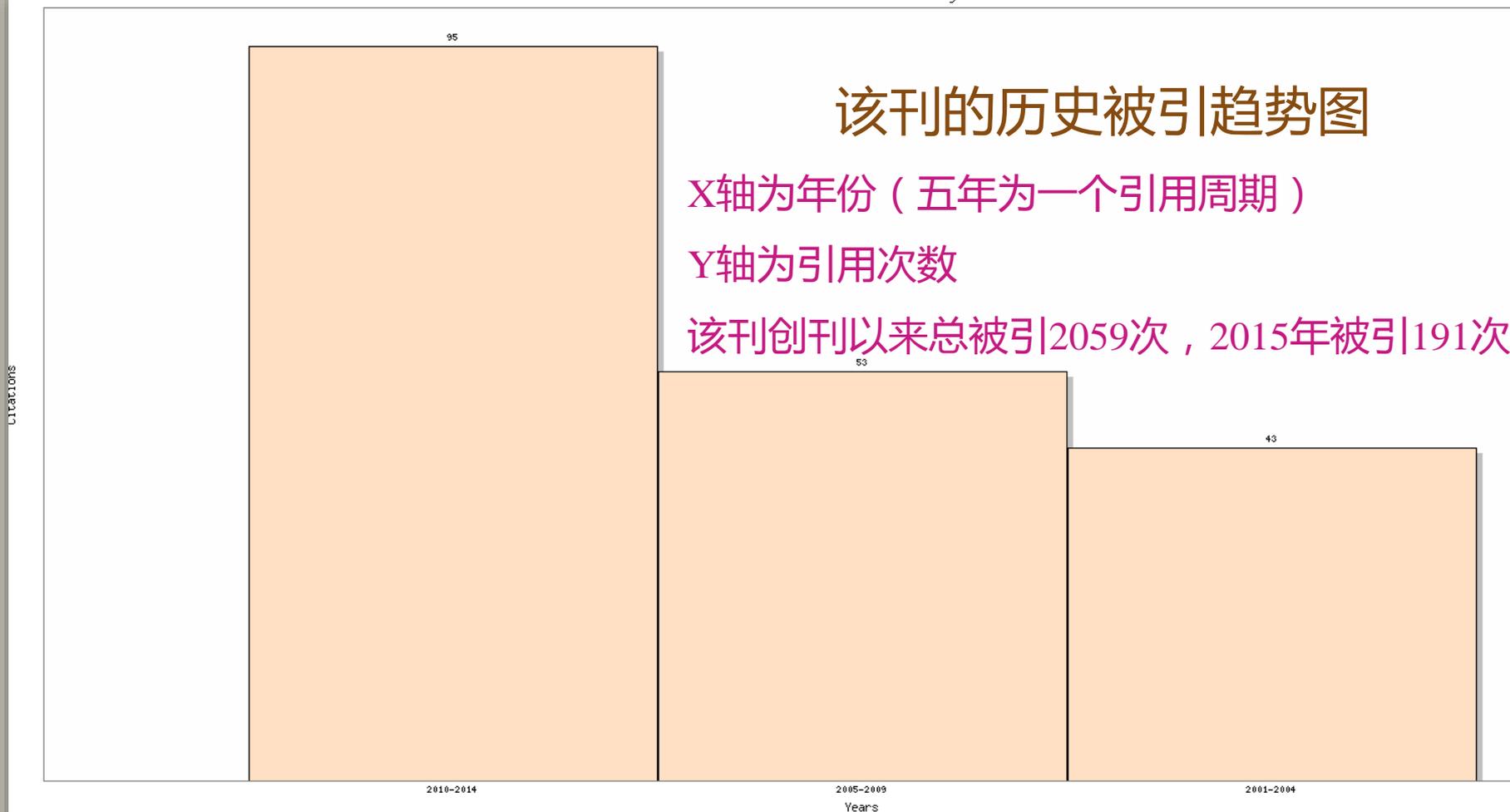
Citing Year

Mathematical Citation Quotient for 2015

Year	2015 Citations to Journal	Items Published in Journal	MCQ*
2014	24	48 (60% cited)	
2013	26	42 (69% cited)	
2012	18	42 (60% cited)	
2011	12	45 (76% cited)	
2010	15	45 (76% cited)	
	95 citations ÷	222 items =	0.43

* The 2015 All Journal MCQ is 0.39

2015 Citation History



Total citations to this journal in the MR Citation Database in 2015: 191)

Total citations to this journal in the MR Citation Database: 2059)

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 Mathematical Reviews

ISSN 2167-5163

Journal:

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- Journal results for
- [Adv. Geom. Ac](#)
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- [Algebra Geom.](#)
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- [Anal. Geom. M](#)
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- [Ann. Global Ar](#)
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- [Balkan J. Geor](#)
- [Beitr. Algebra](#)

Journal Information for "Algebraic & Geometric Topology"

Algebr. Geom. Topol.

Algebraic & Geometric Topology

Continued as [Algebr. Geom. Topol.](#)

Geom. Topol. Publ. Mathematics Institute Univ. Warwick Coventry CV4 7AL England

ISSN: *Journal Information for "Algebraic & Geometric Topology"*

Algebr. Geom. Topol.

Algebraic & Geometric Topology

Formerly [Algebr. Geom. Topol.](#)

Math. Sci. Publ. Univ. Calif., Dept. Math. 798 Evans Hall Berkeley CA 94720-3840

ISSN: 1472-2747

E-ISSN: 1472-2739

6 issues/vol./yr.

First Issue: 7- 2007-

Indexed cover-to-cover

Status: Current

Reference List Journal

<http://msp.org/agt/>

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Journal Information for "Nanjing Daxue Xuebao. Ziran Kexue Ban. Journal of Nanjing University. Natural Sciences"

Nanjing Daxue Xuebao. Ziran Kexue Ban. Journal of Nanjing University. Natural Sciences Matches: 25 [Show all results](#) [Select](#)

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- Journal results for "nanjing"
- J. Nanjing Inst. Tech. Journal of
- J. Nanjing Inst. Tech. (English)
- J. Nanjing Norm. Univ. Nat. Sci. J.
- Kexue Ban
- J. Nanjing Norm. Univ. Nat. Sci. J.
- Xuebao. Ziran Kexue Ban [No longer indexed]
- J. Nanjing Univ. [No longer indexed]
- J. Nanjing Univ. Nat. Sci. Journal
- J. Nanjing Univ. Natur. Sci. [No longer indexed]

- Issue results for "Journal of Nanjing University. Natural Sciences"
- 51 (2015), no. 2
- Continued as J. Nanjing Univ. Nat. Sci. 51 (2015), no. 1
- J. Nanjing Univ., Editor 50 (2014), no. 1
- Republic of China 49 (2013), no. 5
- Journal Information for "Journal of Nanjing University. Natural Sciences"
- J. 49 (2013), no. 4
- 49 (2013), no. 2
- Journal of Nanjing University 48 (2012), no. 5
- Formerly Nanjing Daxue Xuebao. Ziran Kexue Ban 48 (2012), no. 3
- J. Nanjing Univ., Editor

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Publications results for "Contents of: Journal of Nanjing University. Natural Sciences [51 (2015), no. 2]"

- MR3380249** Indexed Ma, Xing Bin; Ju, Heng Rong; Yang, Xi Bei; Song, Jing Jing Multi-cost based decision-theoretic rough sets in incomplete information systems. (Chinese) *J. Nanjing Univ. Nat. Sci.* 51 (2015), no. 2, 335–342. 91B06 (62C86 68T37)
[PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)
- MR3380250** Reviewed Meng, Hui Li; Ma, Yuan Yuan; Xu, Jiu Cheng Granularity reduction of pessimistic multi-granulation rough sets based on the information quantity. (Chinese) *J. Nanjing Univ. Nat. Sci.* 51 (2015), no. 2, 343–348. 68T37
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- MathSciNet数据库完整了记录的期刊的变更历史（停、改、合、拆）
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- MSC最新版本为MSC2010，正在进行MSC2020版意见征集，可访问MSC2020.org进行意见提交，MSC2010 PDF版下载地址如下：
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03H (1980-now) Nonstandard models [See also **03C6**]
03H10 (1980-now) Other applications of nonst
35 (1940-now) Partial differential equations
35Q (1973-now) Equations of mathematical physics a
35Q91 (2010-now) PDEs in connection with ga
37 (2000-now) Dynamical systems and ergodic theory [See
37N (2000-now) Applications
37N40 (2000-now) Dynamical systems in opti
46 (1940-now) Functional analysis [For manifolds modeled c
46N (1991-now) Miscellaneous applications of functio
46N10 (1991-now) Applications in optimization, convex analysis, mathematical programming,**economics**
47 (1959-now) Operator theory
47N (1991-now) Miscellaneous applications of operator theory [See also **46Nxx**]
47N10 (1991-now) Applications in optimization, convex analysis, mathematical programming,**economics**
58 (1973-now) Global analysis, analysis on manifolds [See also **32Cxx**, **32Fxx**, **32Wxx**, **46-XX**, **47Hxx**, **53Cxx**] [For geometric
integration theory, see **49D15**]

74 (2000-now) Mechanics of deformable solids
74A (2000-now) Generalities, axiomatics, foundations of continu
74A45 (2000-now) Theories of **fracture** and damage
74R (2000-now) **Fracture** and damage
74R05 (2000-now) Brittle damage
74R10 (2000-now) Brittle fracture
74R15 (2000-now) High-velocity fracture
74R20 (2000-now) Anelastic fracture and damage
74R99 (2000-now) None of the above, but in this section

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合作者之间的距离

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econo*

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91  (1940-now) Game theory, economics, social and behavioral sciences

91-00  (2000-now) General reference works (handbooks, dictionaries, etc.)

91-01  (2000-now) Instructional exposition (textbooks, tutorial papers, etc.)

91-02  (2000-now) Research exposition (monographs, survey articles)

91-03  (2000-now) Historical (must also be assigned at least one other classification)

91-04  (2000-now) Explicit machine computation and programming (without reference to games)

91-06  (2000-now) Proceedings, conferences, collections, etc.

91-08  (2000-now) Computational methods

91A  (2000-now) Game theory

91A05  (2000-now) 2-person games

91A06  (2000-now) n -person games, $n > 2$

91A10  (2000-now) Noncooperative games

91A12  (2000-now) Cooperative games

91A13  (2000-now) Games with infinitely many players

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Publications results for "MSC Primary/Secondary=(91A12)"

MR3479054 **Prelim** Béal, Sylvain; Rémila, Eric; Solal, Philippe; Characterization of associated consistency: simple proofs using the Jordan normal form. *Int. Ga*
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MR3477141 **Prelim** Casajus, André; Differentially monotonic redistribution
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- 支持作者姓名模糊检索及提示
- 作者主页（author profile）
- Co-Authors之间的相互“erdos指数（合作距离）”
- 被收录作者的数学系谱（师承关系）

AMERICAN MATHEMATICAL SOCIETY

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Author Name or MR Author ID

Example: Hilbert, D* or 85745

Search

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Author results for "hua,l*"

Sort by:

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Search within results

Primary Classification

- Information and communication circuits (3) ^
- Partial differential equations (3)
- Fourier analysis (2)
- Functional analysis (2) v

Profile Name	Published as	Earliest Publication	# Publications	# Citations
Hua, Lei	Hua, Lei (1)	2011	1	
Hua, Lei ¹	Hua, Lei (14)	2008	14	69
Hua, Lei ²	Hua, Lei (3)	2010	3	11
Hua, Leina	Hua, Leina (1)	2011	1	3
Hua, Li	Hua, Li (1)	2002	1	4
Hua, Li	Hua, Li (1)	2012	1	
Hua, Li-Zhen	Hua, Li-Zhen (1)	2007	1	
Hua, Liang	Hua, Liang (2)	2014	2	1
Hua, Lien	Hua, Lien (1)	1980	1	
Hua, Lin ²	Lin, Hua (1)	2011	1	
Hua, Liu Bin	Hua, Liu Bin (5) Hua, Liubin (2)	2007	7	13
Hua, Liu-Qing	Hua, Liu-Qing (1)	2014	1	
Hua, Long	Hua, Long (4)	1990	4	1
Hua, Lu	Hua, Lu (1)	2011	1	
Hua, Luo Geng	Hua, Loo-Keng (51) Hua, Loo-keng (32) Hua, L. K. (16) Hua, Loo Keng (13)	1939	156	1553



ISSN 2167-5163



Hua, Luo Geng

- 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
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- Hua, Lo-Keng
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Publications results for "Items reviewed by Hua, Luo Geng "

MR0116025 (22 #6820) Reviewed

Marcus, Marvin

On a determinantal inequality.

Amer. Math. Monthly **65** 1958 266-268.

15.00

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Let $\lambda_j, \alpha_j, \beta_j$ be the eigenvalues of $I - A^*B, A^*A$ and B^*B so indexed that $|\lambda_j| \geq |\lambda_{j+1}|, \alpha_j \geq \alpha_{j+1}, \beta_j \geq \beta_{j+1}$ for $j = 1, \dots, n-1$, where A and B are n -rowed matrices and A^* denotes the conjugate transpose of A . The author proves that, if $\alpha_n \geq 0, \beta_n \geq 0$, then for each k satisfying $1 \leq k \leq n$ we have

$$\prod_{j=1}^k |\lambda_{n-j+1}|^2 \geq \prod_{j=1}^k (1 - \alpha_j)(1 - \beta_j).$$

In case $k = n$, the inequality is due to the reviewer.

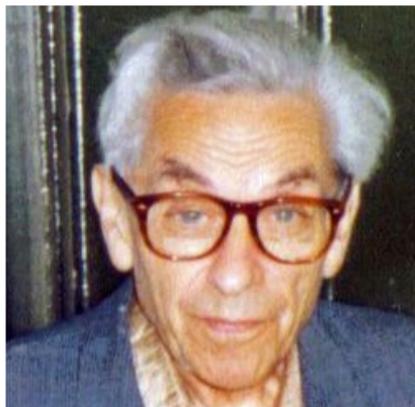
Reviewed by L. K. Hua

AMS最有趣的功能：The Erdős number

只要您的有共同署名的文章被MathSciNet收录过
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Erdős number 的算法为通过N次合著关系与Erdos,Paul教授实现关联

Why Erdős,Paul ?



Erdős, Paul¹

Website: <http://www.oakland.edu/enp>

MR Author ID: **189017**

Earliest Indexed Publication: **1934**

Total Publications: **1444**

Total Author/Related Publications: **1640**

Total Citations: **14315**

⊞ Published as: Erdős, P. ...

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[MacTutor History of Mathematics Archive](#)

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Top 50 Co-authors (by number of collaborations)

Alavi, Yousef Bollobás, Béla Burr, Stefan Andrus
 Chung, Fan de Bruijn, Nicolaas Govert Duke, Richard A.
 Dvoretzky, Aryeh Eggleton, Roger B. **Faudree, Ralph**
Jasper, Jr Fishburn, Peter C. Füredi, Zoltán Galvin,
 Fred **Graham, Ronald L.** Gyárfás, András **Hajnal,**
András Hall, Richard R. Ivić, Aleksandar Joó,
 István Kakutani, Shizuo Kátai, Imre Kleitman, Daniel J.
 Łuczak, Tomasz Milner, Eric Charles Nathanson, Melvyn

AMS最有趣的功能：The Erdős number

Erdos,Paul一生共发表了1640+篇文献，在数学领域拥有最多的合著者（500+）

，MathSciNet中的作者基本都可通过共同署名关系与Erdos,Paul先生实现关联。

实现这一功能的基础是AMS对收录作者分配了唯一的MRID，该ID会永远伴随作者，无论是更改了工作单位，还是更改了姓名写法，基本都会关联到该唯一ID。

使用入口：进入MathSciNet数据库，点击右上角“[免费工具箱/Free Tools](#)”，点击“[合作距离/Collaboration Distance](#)”，输入作者姓名即可查询。

AMS最有趣的功能：The Erdős number



The screenshot shows the MathSciNet interface for finding collaboration distances. The 'Collaboration Distance' tab is selected. The search results for 'Chuanzhi Bai' show an MR Erdős Number of 4, with a list of coauthors and their respective MR numbers.

MR Erdos Number = 4			
Chuanzhi Bai	coauthored with	Jong Kyu Kim	MR2109976
Jong Kyu Kim	coauthored with	Ravi P. Agarwal	MR2161738
Ravi P. Agarwal	coauthored with	Steven George Krantz	MR2323472
Steven George Krantz	coauthored with	Paul Erdős ¹	MR0957190

Buttons at the bottom of the table: [Change First Author](#), [Change Second Author](#), [New Search](#)

根据研究人员的统计，数学科研人员的平均Erdos Number为5，著名数学家往往该值较低。较早时期的数学家该值往往较高；但有个例外，数学天才拉马努金的Erdos Number为3，尽管Erdos, Paul (1913-1996) 7岁的时候，拉马努金 (1887-1920) 就过世了。

MR Erdos Number = 3

Srinivasa Aiyangar Ramanujan	coauthored with	Godfrey Harold Hardy	MR1575586
Godfrey Harold Hardy	coauthored with	Hans Arnold Heilbronn	MR1574982
Hans Arnold Heilbronn	coauthored with	Paul Erdős ¹	MR0166186

[Change First Author](#)[Change Second Author](#)[New Search](#)**MR1575586**

DML

Hardy, G. H.; Ramanujan, S.

Asymptotic Formulae in Combinatory Analysis.*Proc. London Math. Soc.* S2-17 (1918), no. 1, 75.

哈代.G.H 拉马努金的老师

MR1574982

DML

Hardy, G. H.; Heilbronn, H.

Edmund Landau.*J. London Math. Soc.* S1-13 no. 4, 302.

H.海尔布伦 华罗庚早年在英国结交的好友

MR0166186

Reviewed

Erdős, P.; Heilbronn, H.

On the addition of residue classes mod p .*Acta Arith.* **9** 1964 149–159.

10.43 (12.25)

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MR Erdos Number = 2

陶哲轩的Erdos Number=2

Terence C. Tao	coauthored with	Gergely Harcos	MR3294387
----------------	-----------------	----------------	-----------

Gergely Harcos

MR Erdos Number = 2

陈省身的Erdos Number=2

Change First Author

Shiing Shen Chern	coauthored with	Aurel Wintner	MR0066718
-------------------	-----------------	---------------	-----------

Aurel Wintner

coauthored with

MR Erdos Number = 3

北京大学田刚教授的Erdos Number=3

Change First Author

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Gang Tian ¹	coauthored with	Peter Li	MR1320155
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Peter Li	coauthored with	Kai Lai Chung	MR0875443
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Kai Lai Chung	coauthored with	Paul Erdős ¹	MR0023010
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MR Erdos Number = 4

南京大学秦厚荣教授的Erdos Number=4

New Search

Hou Rong Qin	coauthored with	Aderemi O. Kuku	MR2136684
--------------	-----------------	-----------------	-----------

Aderemi O. Kuku	coauthored with	Andreas W. M. Dress	MR0609220
-----------------	-----------------	---------------------	-----------

Andreas W. M. Dress	coauthored with	Florian Luca	MR1851944
---------------------	-----------------	--------------	-----------

MR Erdos Number = 4

南京师范大学尹会成教授的Erdos Number=4

MR2437964

Huicheng Yin	coauthored with	Zhuoping Ruan	MR3121701
--------------	-----------------	---------------	-----------

Zhuoping Ruan	coauthored with	Eric T. Sawyer	MR3148598
---------------	-----------------	----------------	-----------

Eric T. Sawyer	coauthored with	Steven George Krantz	MR3329539
----------------	-----------------	----------------------	-----------

Steven George Krantz	coauthored with	Paul Erdős ¹	MR0957190
----------------------	-----------------	-------------------------	-----------

与其他作者的合作举例查询

柏传志与爱因斯坦的合作距离为6，即通过6篇文章实现关联

MR Collaboration Distance = 6

Chuanzhi Bai	coauthored with	Jong Kyu Kim	MR2109976
Jong Kyu Kim	coauthored with	Nikolaï Antonovich Bobylev	MR1635712
Nikolaï Antonovich Bobylev	coauthored with	Nikolaï Nikolaevich Bogolyubov	MR0616819
Nikolaï Nikolaevich Bogolyubov	coauthored with	Ivan T. Todorov	MR0452276
Ivan T. Todorov	coauthored with	Valentine Bargmann	MR0486330
Valentine Bargmann	coauthored with	Albert Einstein	MR0004790

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[Valentine Bargmann](#)
[coauthored with](#)
[Albert Einstein](#)
[MR0004790](#)

MR2109976 Reviewed

Bai, Chuazhi(PRC-HYTC); Kim, Jong Kyu(KR-KYN) 韩国数学家

An implicit iteration process with errors for a finite family of asymptotically quasi-nonexpansive mappings. (English summary)*Nonlinear Funct. Anal. Appl.* 9 (2004), no. 4, 649–658.

47H10 (47H00 47H25)

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MR1635712 Reviewed

莫斯科数学家

Bobylev, N. A.(RS-MOSC); Kim, J. K.(KR-KYN); Korovin, S. K.(RS-MOSC); Piskarev, S.(RS-MOSC)

Semidiscrete approximations of semilinear periodic problems in Banach spaces.*Nonlinear Anal.* 33 (1998), no. 5, 473–482.

34C

PDF

MR0616819 Reviewed

Bogoljubov, N. N.; Išlinskiĭ, A. Ju.; Kantorovič, L. V.; Sadovskĭĭ, B. N.; Sobolev, S. L.; Trapeznikov, V. A.

Bobyļev, N. A. 莫斯科数学家

Mark Aleksandrovič Krasnosel'skiĭ (on the occasion of his sixtieth birthday). (Russian)*Uspekhi i* MR0452277 Reviewed

01A70 Bogolubov, N. N.; Logunov, A. A.; Todorov, I. T. 哥廷根大学理论物理学家托德洛夫

Introduction to axiomatic quantum field theory.

Translated from the Russian by Stephen A. Fulling and Ludmila G. Popova. Edited by Stephen A. Fulling. Monograph Series, No. 18. W. A. Benjamin, Inc., Reading, Mass.-London-Amsterdam, 1975.

MR0486330 Reviewed

Bargmann, V.; Todorov, I. T. 美国数学家巴格曼

Spaces of analytic functions on a complex cone as carriers for the symmetric tensor representations of $SO(n)$.*J. Mathematical Phys.* 18 (1977), no. 6, 1141–1148.MR0004790 Reviewed

Einstein, A.; Bargmann, V.; Bergmann, P. G.

On the five-dimensional representation of gravitation and electricity. *Theodore von Kármán Anniversary Volume*, pp. 212–225 California Institute of Technology, Pasadena, Calif., 1941.

83.0X

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作者的数学系谱 (师承关系)

**Tao, Terence C.**

MR Author ID: **361755**
 Earliest Indexed Publication: **1996**
 Total Publications: **282**
 Total Author/Related Publications: **308**
 Total Citations: **10239**

⊕ Published as: Tao, T. ...

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Austin, Timothy Derek Bennett, Jonathan M. Bergelson,
 Vitaly Breuillard, Emmanuel Candès, Emmanuel J.
 Carbery, Anthony Christ, Michael Colliander, James
 E. Demeter, Ciprian Eisner, Tanja Erdős, László Ford,
 Kevin B. Fouvry, Étienne Grafakos, Loukas Green,
 Ben Guralnick, Robert M. Harcos, Gergely Hassell,
 Andrew Helfgott, Harald Andrés Iosevich, Alexander Katz,

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Terence Chi-Shen Tao[MathSciNet](#)Ph.D. [Princeton University](#) 1996Dissertation: *Three Regularity Results in Harmonic Analysis*Advisor: [Elias M. Stein](#)

Students:

Click [here](#) to see the students listed in chronological order.

Name	School	Year	Descendants
Timothy Austin	University of California, Los Angeles	2010	
Jacques Benatar	University of California, Los Angeles	2015	
John Bueti	University of California, Los Angeles	2006	
Julia Garibaldi	University of California, Los Angeles	2004	
Zaher Hani	University of California, Los Angeles	2011	
Ben Krause	University of California, Los Angeles	2015	
Soonsik Kwon	University of California, Los Angeles	2008	
Thai Hoang Le	University of California, Los Angeles	2010	
Kenneth Maples	University of California, Los Angeles	2011	
Bradley Rodgers	University of California, Los Angeles	2013	
Shuanglin Shao	University of California, Los Angeles	2008	

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Most Cited Publications

Citations	Publication
65	MR2039662 Bai, Chuan-zhi; Fang, Jin-xuan The existence of a positive solution for a singular coupled system of nonlinear fractional differential equations. <i>Appl. Math. Comput.</i> 150 (2004), no. 3, 611–621. 34B18 (34B16 47N20)
44	MR2197088 Bai, Chuanzhi Positive solutions for nonlinear fractional differential equations with coefficient that changes sign. <i>Nonlinear Anal.</i> 64 (2006), no. 4, 677–685. (Reviewer: Mahmoud M. El-Borai) 34A12 (34C11)
43	MR1980075 Bai, Chuanzhi; Fang, Jinxuan Existence of multiple positive solutions for nonlinear m -point boundary value problems. <i>J. Math. Anal. Appl.</i> 281 (2003), no. 1, 76–85. (Reviewer: Tadie) 34B10 (34B18)
27	MR1953901 Bai, Chuan-zhi; Fang, Jin-xuan Existence of multiple positive solutions for nonlinear m -point boundary-value problems. <i>Appl. Math. Comput.</i> 140 (2003), no. 2-3, 297–305. 34B18 (34B10 47N20)
24	MR1989682 Bai, Chuanzhi; Fang, Jinxuan On positive solutions of boundary value problems for second-order functional differential equations on infinite intervals. <i>J. Math. Anal. Appl.</i> 282 (2003), no. 2, 711–731. (Reviewer: S. K. Ntouyas) 34K10
21	MR2425095 Bai, Chuanzhi Triple positive solutions for a boundary value problem of nonlinear fractional differential equation. <i>Electron. J. Qual. Theory Differ. Equ.</i> 2008, No. 24, 10 pp. 34B18 (26A33)

作者被引查询

MR2039662 Reviewed

Bai, Chuan-zhi(PRC-HYTC); Fang, Jin-xuan(PRC-NJN)

The existence of a positive solution for a singular coupled system of nonlinear fractional differential equations. (English summary)*Appl. Math. Comput.* 150 (2004), no. 3, 611–621.

34B18 (34B16 47N20)

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- MR3544384** Pending [Zhang, Yuruo](#); [Wang, JinRong](#) Nonlocal Cauchy problems for a class of implicit impulsive fractional relaxation differential systems. *J. Appl. Math. Comput.* 52 (2016), no. 1-2, 323–343. [34A08](#) ([26A33](#) [34A37](#) [34B10](#) [45G05](#))
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- MR3542818** Indexed [Jiang, Jiqiang](#); [Liu, Lishan](#) Existence of solutions for a sequential fractional differential system with coupled boundary conditions. *Bound. Value Probl.* 2016, 2016:159, 15 pp. [34B10](#) ([26A33](#) [34A08](#) [34B15](#) [35K51](#) [35Q92](#) [92D25](#) [92D30](#))
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- MR3505050** Reviewed [Zhou, XiaoJun](#); [Xu, ChuanJu](#) Well-posedness of a kind of nonlinear coupled system of fractional differential equations. *Sci. China Math.* 59 (2016), no. 6, 1209–1220. (Reviewer: Merab Svanadze) [74H20](#) ([74H25](#))
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- MR3456922** Reviewed [Jiang, Min](#); [Zhong, Shouming](#) Existence of extremal solutions for a nonlinear fractional q -difference system. *Mediterr. J. Math.* 13 (2016), no. 1, 279–299. [39A13](#) ([34A08](#) [34B18](#))
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Mathematical Citation Quotient for 2015			
Year	2015 Citations to Journal	Items Published in Journal	MCQ*
2014	429	293 (80% cited)	
2013	519	337 (86% cited)	
2012	802	379 (91% cited)	
2011	521	313 (95% cited)	
2010	548	262 (94% cited)	
	2819 citations	÷	
		1584 items	=
			1.78

* The 2015 All Journal MCQ is 0.39

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- MR3507260** Reviewed [Chang-Lara, Héctor A.; Kriventsov, Dennis](#) Further time regularity for fully non-linear parabolic equations. *Math. Res. Lett.* 22 (2015), no. 6, 1749–1766. [35K55](#) ([35B45](#) [35B65](#))
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- MR3504551** Pending [He, Xiaoming; Li, Jian; Lin, Yanping; Ming, Ju](#) A domain decomposition method for the steady-state Navier-Stokes-Darcy model with Beavers-Joseph interface condition. *SIAM J. Sci. Comput.* 37 (2015), no. 5, S264–S274. [65N55](#) ([76D05](#) [76S05](#))
[PDF](#) | [Clipboard](#) | [Journal](#) | [Article](#)
- MR3485871** Reviewed [Bidaut-Véron, Marie-Françoise; Nguyen, Quoc-Hung](#) Evolution equations of p -Laplace type with nonlinear source terms and measure data. *Commun. Contemp. Math.* 17 (2015), no. 6, 1550006, 25 pp. [35K92](#) ([35J62](#) [35R06](#))
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- MR3462503** Reviewed [Junca, Stéphane; Lombard, Bruno](#) Stability of neutral delay differential equations modeling propagation in cracked media. *Discrete Contin. Dyn. Syst.* 2015, Dynamical systems, differential equations and applications, [10th AIMS Conference. Suppl.](#), 678–685. (Reviewer: B. Belinskiy) [74J20](#) ([34K20](#) [34K40](#) [74K10](#))
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Publication Type

All

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10

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Citations	Publication	
1836	MR1243878 Hale, Jack K.; Verduyn Lunel, Sjoerd M. Introduction to functional-differential equations. <i>Applied Mathematical Sciences</i> , 99. Springer-Verlag, New York, 1993. x+447 pp. ISBN: 0-387-94076-6 (Reviewer: Waldyr M. Oliva) 34Kxx (34-02 47D06 47H20 47N20 58F32)	Book
1402	MR2218073 Kilbas, Anatoly A.; Srivastava, Hari M.; Trujillo, Juan J. Theory and applications of fractional differential equations. <i>North-Holland Mathematics Studies</i> , 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
1306	MR0508721 Hale, Jack Theory of functional differential equations. Second edition. <i>Applied Mathematical Sciences</i> , Vol. 3. Springer-Verlag, New York-Heidelberg, 1977. x+365 pp. (Reviewer: R. R. Ahmerov) 34KXX	Book
1295	MR1082551 Lakshmikantham, V.; Bañov, D. D.; Simeonov, P. S. Theory of impulsive differential equations. <i>Series in Modern Applied Mathematics</i> , 6. World Scientific Publishing Co., Inc., Teaneck, NJ, 1989. xii+273 pp. ISBN: 9971-50-970-9 (Reviewer: A. Halanay) 34A37 (34-02 34D20 34K99)	Book

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Citations	Publication
646	MR1022305 DiPerna, R. J.; Lions, P.-L. Ordinary differential equations, transport theory and Sobolev spaces. <i>Invent. Math.</i> 98 (1989), no. 3, 511–547. (Reviewer: B. G. Pachpatte) 34A10 (34D20 35Q20 58D25 82A70)
319	MR2168413 Bai, Zhanbing; Lü, Haishen Positive solutions for boundary value problem of nonlinear fractional differential equation. <i>J. Math. Anal. Appl.</i> 311 (2005), no. 2, 495–505. 34B18 (45B05) 山东科技大学白占兵教授
306	MR1204373 Erbe, L. H.; Wang, Haiyan On the existence of positive solutions of ordinary differential equations. <i>Proc. Amer. Math. Soc.</i> 120 (1994), no. 3, 743–748. (Reviewer: Juan J. Nieto) 34B15 (47N20)
301	MR0287106 Fenichel, Neil Persistence and smoothness of invariant manifolds for flows. <i>Indiana Univ. Math. J.</i> 21 1971/1972 193–226. (Reviewer: U. D' Ambrosio) 34.65
283	MR0340701 Joseph, D. D.; Lundgren, T. S. Quasilinear Dirichlet problems driven by positive sources. <i>Arch. Rational Mech. Anal.</i> 49 (1972/73), 241–269. (Reviewer: Jean Mawhin) 34B15
282	MR0492721 Hale, Jack K.; Kato, Junji Phase space for retarded equations with infinite delay. <i>Funkcial. Ekvac.</i> 21 (1978), no. 1, 11–41. (Reviewer: Waldyr M. Oliva) 34K15 (58F10)

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Citations	Publication	
52	MR3271254 Servadei, Raffaella; Valdinoci, Enrico The Brezis-Nirenberg result for the fractional Laplacian. <i>Trans. Amer. Math. Soc.</i> 367 (2015), no. 1, 67–102. (Reviewer: Jens Wirth) 35R11 (35A15 35R11 35S15 47G20)	
40	MR3287221 Maclagan, Diane; Sturmfels, Bernd Introduction to tropical geometry. <i>Graduate Studies in Mathematics</i> , 161. American Mathematical Society, Providence, RI, 2015. xii+363 pp. ISBN: 978-0-8218-5198-2 (Reviewer: Patrick Popescu-Pampu) 14T05 (05B35 14M25 15A80 52B70)	Book
39	MR3307753 Arzhantsev, Ivan; Derenthal, Ulrich; Hausen, Jürgen; Laface, Antonio Cox rings. <i>Cambridge Studies in Advanced Mathematics</i> , 144. Cambridge University Press, Cambridge, 2015. viii+530 pp. ISBN: 978-1-107-02462-5 (Reviewer: Alexandr V. Pukhlikov) 14Cxx (14Jxx 14Lxx)	Book

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Citations	Publication	
287	MR0290095 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
284	MR1814364 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
274	MR0463157 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
271	MR1658022 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

特定年份的TOP图书排行榜

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MR0290095 Reviewed

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.

46.38 (26.00)

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This book deals with several flourishing aspects of "hard" analysis of the modern variety. Its substance is indicated by the ensuing list of chapter headings and sample contents; more detailed indications pertaining to the first six chapters are provided by the Bachman-Somen notes of the author's 1966-67 course ["Intégrales singulières et fonctions différentiables de plusieurs variables", Publ. Math. Orsay, Univ. Paris, Orsay, 1967].

Chapter I. Some fundamental notions of real-variable theory: Maximal functions; differentiation theorems; Lebesgue set; covering theorems of Vitali type; Calderón-Zygmund decomposition lemma; Marcinkiewicz theorem (distance function from a closed set). Special case of the Marcinkiewicz interpolation theorem (general case treated in an appendix by Hunt's method). Chapter II. Singular integrals: Rapid review of a few essential aspects of harmonic analysis on R^n , followed by a plunge into "the heart of the matter" in the shape of a theorem asserting L^p -boundedness ($1 < p < \infty$) of singular integral operators $Tf(x) = \int K(x-y)f(y) dy$ and the corresponding multipliers. The author deliberately chooses to begin with a simple case in unfinished form and to develop this step by step toward the Calderón-Zygmund theory for homogeneous singular kernels. Vector-valued analogies for subsequent

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162	MR1484478 Bosma, Wieb; Cannon, John; Playoust, Catherine The Magma algebra system. I. The user language. Computational algebra and number theory (London, 1993). <i>J. Symbolic Comput.</i> 24 (1997), no. 3-4, 235-265. 68Q40
158	MR0370183 Ambrosetti, Antonio; Rabinowitz, Paul H. Dual variational methods in critical point theory and applications. <i>J. Functional Analysis</i> 14 (1973), 349-381. (Reviewer: D. E. Edmunds) 46G05 (35J20 58E99)
146	MR1379242 Tibshirani, Robert Regression shrinkage and selection via the lasso. <i>J. Roy. Statist. Soc. Ser. B</i> 58 (1996), no. 1, 267-288. 62J05 (62J07)
142	MR2152382 Hughes, T. J. R.; Cottrell, J. A.; Bazilevs, Y. Isogeometric analysis: CAD, finite elements, NURBS, exact geometry and mesh refinement. <i>Comput. Methods Appl. Mech. Engrg.</i> 194 (2005), no. 39-41, 4135-4195. 65D17 (65N30 74S05)
131	MR0916688 Simon, Jacques Compact sets in the space $C_p(0,T;B)$. <i>Ann. Mat. Pura Appl. (4)</i> 146

特定年份的TOP期刊文章排行榜

下列文章的全部被引次数在1515次，其中在2015年被引162次，位列期刊文章排行榜第一

MR1484478 Indexed

Bosma, Wieb(5-SYD-AL); Cannon, John(5-SYD-AL); Playoust, Catherine(5-SYD-AL)

The Magma algebra system. I. The user language. (English summary)

Computational algebra and number theory (London, 1993).

J. Symbolic Comput. **24** (1997), no. 3-4, 235–265.

68Q40

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MR1484477 Reviewed

Computational algebra and number theory.

Proceedings of the 1st MAGMA Conference held at Queen Mary and Westfield College, London, August 23–27, 1993. Edited by John Cannon and Derek Holt. *J. Symbolic Comput.* **24** (1997), no. 3-4. Elsevier Ltd, Oxford, 1997. pp. 233–506.

68-06 (11-06 20-06 68Q40)

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Contents:

Wieb Bosma, John Cannon [John J. Cannon] and Catherine Playoust, "The Magma algebra system. I. The user language", 235–265.

M. Daberkow, C. Fieker, J. Klüners, M. Pohst, K. Roegner, M. Schörnig and K. Wildanger, "KANT V4", 267–283.

John J. Cannon and Derek F. Holt, "Computing chief series, composition series and socles in large permutation groups", 285–301.

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3.74 (98% cited)	Ann. of Math.
3.64 (100% cited)	Camb. J. Math. 《剑桥数学期刊》，新刊物，波士顿国际出版社
3.46 (98% cited)	J. Amer. Math. Soc.
3.40 (96% cited)	Acta Math.
3.10 (92% cited)	Comm. Pure Appl. Math.
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2.51 (93% cited)	Arch. Rational Mech. Anal.
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2014	17	8 (100% cited)	
2013	37	8 (100% cited)	
2012	46	9 (100% cited)	
2011	24	7 (100% cited)	
2010	30	6 (100% cited)	
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Mathematical Citation Quotient for 2015			
Year	2015 Citations to Journal	Items Published in Journal	MCQ*
2014	11	6 (100% cited)	
2013	29	5 (100% cited)	
2012	0	0 (0% cited)	
2011	0	0 (0% cited)	
2010	0	0 (0% cited)	
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- MR3150250** Reviewed [Schiffmann, O.](#); [Vasserot, E.](#) Cherednik algebras, W-algebras and the equivariant cohomology of the moduli space of instantons on A^2 . *Publ. Math. Inst. Hautes Études Sci.* 118 (2013), 213–342. (Reviewer: Andrei D. Halanay) [81R10](#) ([14D21](#) [14F43](#) [17B35](#) [17B69](#) [20G20](#) [81T13](#) [81T60](#))
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- MR3150249** Reviewed [Herfort, Wolfgang](#); [Zaleskii, Pavel](#) Virtually free pro- p groups. *Publ. Math. Inst. Hautes Études Sci.* 118 (2013), 193–211. (Reviewer: Nikolay V. Nikolov) [20E18](#) ([20E06](#))
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- MR3150248** Reviewed [Paškūnas, Vytautas](#) The image of Colmez's Montreal functor. *Publ. Math. Inst. Hautes Études Sci.* 118 (2013), 1–191. (Reviewer: Ivan Matić) [22E35](#) ([11S37](#) [22E50](#))
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- MR3090263** Reviewed [Gorchinskiy, Sergey](#); [Orlov, Dmitri](#) Geometric phantom categories. *Publ. Math. Inst. Hautes Études Sci.* 117 (2013), 329–349. (Reviewer: Andrei D. Halanay) [14F05](#) ([14C15](#) [18E30](#))
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- MR3090262** Reviewed [Pantev, Tony](#); [Toën, Bertrand](#); [Vaquié, Michel](#); [Vezzosi, Gabriele](#) Shifted symplectic structures. *Publ. Math. Inst. Hautes Études Sci.* 117 (2013), 271–328. (Reviewer: Andrey Yu. Lazarev) [14F05](#) ([14A15](#) [18F20](#) [18G30](#) [53D05](#) [53D10](#))
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- MR3090261** Reviewed [Brendle, Simon](#) Constant mean curvature surfaces in warped product manifolds. *Publ. Math. Inst. Hautes Études Sci.* 117 (2013), 247–269. (Reviewer: Andrew Bucki) [53A10](#) ([53C45](#))
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Motivated by the study of $N=2$ super-symmetric gauge theory in dimension four, L. F. Alday, D. Gaiotto and Y. Tachikawa conjectured in [Lett. Math. Phys. **91** (2010), no. 2, 167–197; MR2586871] that for a complex reductive group G there is a representation of the affine W -algebra of G over the equivariant intersection cohomology of the moduli space of G^L -instantons over \mathbb{R}^4 , satisfying also some extra conditions, where G^L is the Langlands dual of G . The paper under review considers the case of $G = G^L = GL_r$.

In order to construct such a representation, the authors consider the moduli space $M_r = \bigsqcup_n M_{r,n}$ of coherent, torsion free and rank r sheaves over \mathbb{P}^2 with a framing along $\mathbb{P}_\infty^1 \subset \mathbb{P}^2$. For any fixed n the torus $\tilde{D} = (C^*)^2 \times D$ (D being $(C^*)^r$) acts on $M_{r,n}$, the first factor acting on \mathbb{P}^2 and the second on the framing. On the equivariant Borel-Moore cohomology space

$$L^{(r)} = \bigoplus_n H_*^{\tilde{D}}(M_{r,n}),$$

there is a representation of the rank one Heisenberg algebra but it is not irreducible or cyclic (contrary to the case of $r=1$).

Consider now $R_r = \mathbb{C}[x, y, e_1, \dots, e_r]$, the cohomology ring of the classifying space of \tilde{D} and $K_r = \mathbb{C}(x, y, e_1, \dots, e_r)$ its fraction field. Then on the space $L_K^{(r)} = L^{(r)} \otimes_{\mathbb{R}} K_r$ there is a representation of $W_k(\mathfrak{gl}_r)$ of level $k = \kappa - r$ ($\kappa = -y/x$) such that this space identifies with the Verma module M_β of higher weight

$$\beta = -\frac{\epsilon^{\vec{x}} \xi \rho}{\kappa},$$

where $\epsilon^{\vec{x}} = e^{\vec{x}}$, $e^{\vec{x}} = (e_1, \dots, e_r)$, $\xi = 1 - \kappa$ and $\rho = (0, -1, -2, \dots, 1 - r)$. This action is quasi-unitary with respect to the intersection pairing and the so-called Gaiotto state $G = \sum G_n$, where $G_n = [M_{r,n}]$, is a Whittaker vector of M_β . For $r=2$ one gets in this way an action of the Virasoro algebra on the moduli space of U_2 -instantons on \mathbb{R}^4 .

In order to overcome the fact that W -algebras do not have a presentation by generators and relations for \mathfrak{gl}_r with $r > 3$, the authors need to embed in some way the algebra $W_k(\mathfrak{gl}_r)$ in some algebra admitting such a description. For this purpose they construct the algebra SH^c defined over $\mathbb{C}(x)$ which can be seen in some sense as the limit of spherical doubly affine Hecke algebras of GL_n as n tends to infinity. Take $SH_K^{(r)} = SH^c \otimes K_r$, for $c_0 = r$ and $c_i = p_i(e_1, \dots, e_r)$. There is an embedding of graded and filtered algebras $SH_K^{(r)} \rightarrow U(W_k(\mathfrak{gl}_r))$ inducing an equivalence between the respective categories of admissible modules. Here $U(W_k(\mathfrak{gl}_r))$ is a suitably defined quotient of the current algebra of $W_k(\mathfrak{gl}_r)$.

其它功能

- MRLookup：快速获取标准的参考文献格式
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访问地址：ams.org/mrlookup

AMERICAN MATHEMATICAL SOCIETY
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Liu, Meng; Bai, Chuan Zhi. A remark on stochastic with diffusion. *Appl. Math. Comput.* 228 (2014), [MR3151902](#) [Add to clipboard](#)

Bai, Chuanzhi. Existence result for boundary value nonlinear impulsive fractional differential equation with resonance. *J. Appl. Math. Comput.* **39** (2012), no. 1, [MR2914484](#) (Reviewed) [Add to clipboard](#)

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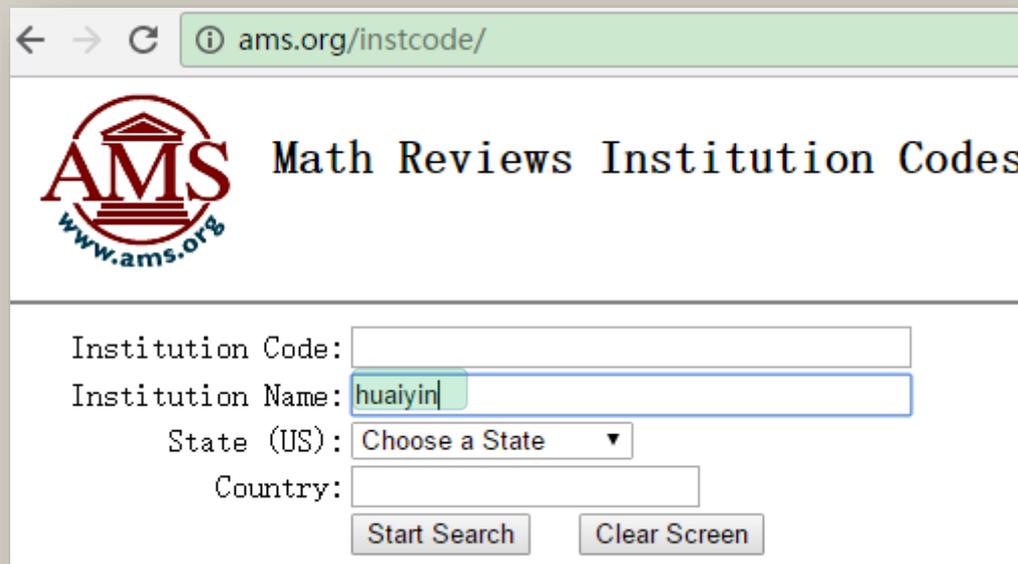
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@article {MR3151902,
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  TITLE = {A remark on stochastic logistic model with diffusion},
  JOURNAL = {Appl. Math. Comput.},
  FJOURNAL = {Applied Mathematics and Computation},
  VOLUME = {228},
  YEAR = {2014},
  PAGES = {141--146},
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}
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<http://www.ams.org/mathscinet-getitem?mr=3151902>

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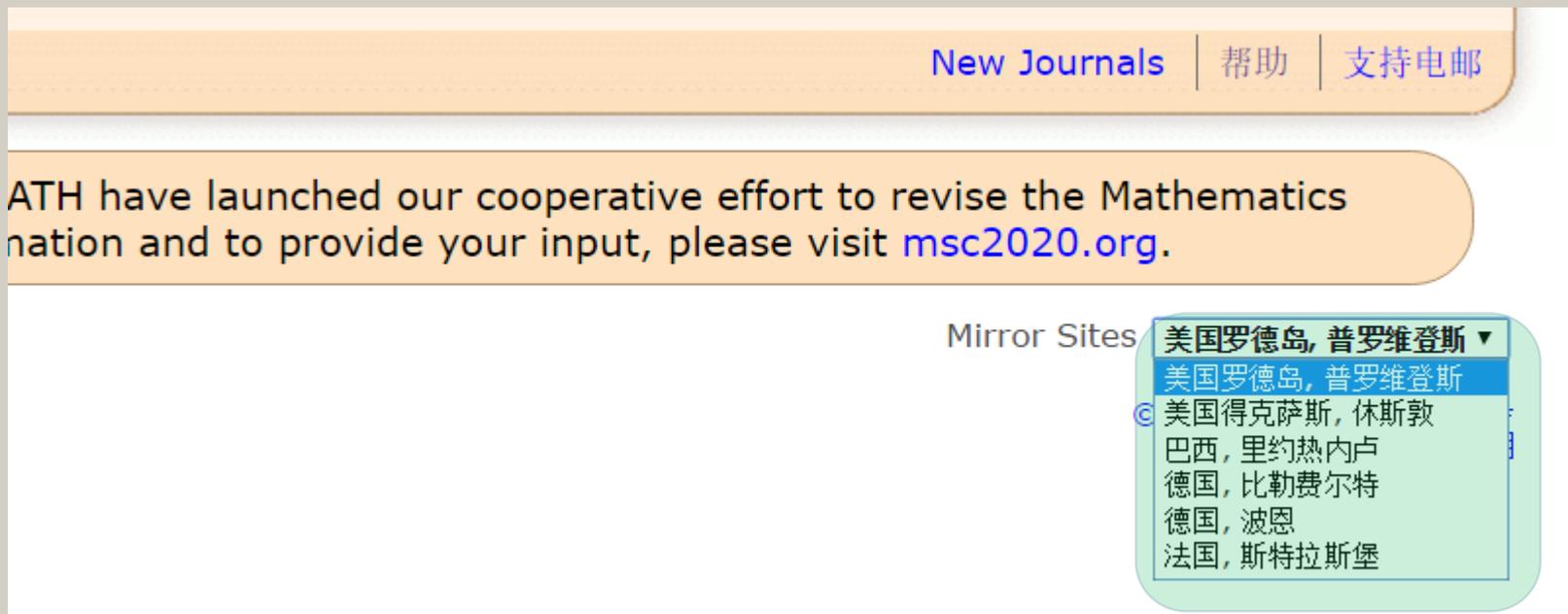
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镜像站点切换

MathSciNet在全球有多个镜像站点，MathSciNet由于每天需要做数据更新，做数据更新时可能会出现检索服务不能用，此时可访问其他镜像站。

切换方法：进入MathSciNet首页，在右下角选择所需镜像站



The screenshot shows the MathSciNet website interface. At the top right, there are links for "New Journals", "帮助" (Help), and "支持电邮" (Support Email). Below this, a banner reads: "ATH have launched our cooperative effort to revise the Mathematics nation and to provide your input, please visit msc2020.org." In the bottom right corner, there is a "Mirror Sites" dropdown menu. The menu is currently open, showing a list of mirror sites with "美国罗德岛, 普罗维登斯" (Providence, Rhode Island, USA) selected and highlighted in blue. Other visible options include "美国得克萨斯, 休斯敦" (Houston, Texas, USA), "巴西, 里约热内卢" (Rio de Janeiro, Brazil), "德国, 比勒费尔特" (Bielefeld, Germany), "德国, 波恩" (Bonn, Germany), and "法国, 斯特拉斯堡" (Strasbourg, France).

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- AMS及AMS出版物简介
- MathSciNet功能演示
- AMS 电子刊浏览及检索功能演示
- MathSciNet校外访问
- AMS主站及其他资源介绍
- FAQ

AMS 电子刊浏览及检索功能演示

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Sort: Date

Author, date, publication

Publication, date, author

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AMS eContent Search Results

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Sort order: Date

Format: Standard display

[Previous Screen](#)[New Search](#)Results: 1 to 30 of 2022 found Go to page: [1](#) [2](#) [3](#) [4](#) > >>***Isomonodromic deformation of q -difference equations and confluence***Author: [Thomas Dreyfus](#)

Journal: Proc. Amer. Math. Soc.

MSC (2010): Primary 39A13, 34M56

Published electronically: November 18, 2010

[\[Ada29\]](#)C. Raymond Adams, *On the linear ordinary q -difference equation*, Ann. of Math. (2) **30** (1928/29), no. 1-4, 195-205. [MR 1502876](#)**Similar Articles**Retrieve articles in *Proceedings of the American Mathematical Society* with MSC (2010): [39A13](#), [34M56](#)Retrieve articles in all journals with MSC (2010): [39A13](#), [34M56](#)**Additional Information****Thomas Dreyfus**

Affiliation: Institut Camille Jordan, Université Claude Bernard Lyon 1, 43 boulevard du 11 novembre 1918, 69622 Villeurbanne, France

Email: dreyfus@math.univ-lyon1.fr

Journal of the American Mathematical Society.

《美国数学会志》

0894-0347



Journal of the American Mathematical Society

中文译名：《美国数学会志》

P- ISSN : 0894-0347

E- ISSN : 1088-6834

内容简介：《美国数学会志》由美国数学会出版，创办于1988年，每年出版4期，内容包括纯粹数学和应用数学领域最高水平的研究文章。

Transactions of the American Mathematical Society.

《美国数学会汇刊》

0002-9947



Transactions of the American Mathematical Society

中文译名：《美国数学会汇刊》

P- ISSN : 0002-9947

E- ISSN : 1088-6850

内容简介：《美国数学会汇刊》致力于出版纯粹数学和应用数学领域的研究成果。要求稿件准确无误、内容新颖、有重要意义，并且有较高写作水平，可以吸引众多数学家的兴趣。如果稿件内容只涉及未经证实定理的不确定步骤，或轻微变化对已知结果的影响，将不会被接受。**文章论文要求篇幅较长。**

Proceedings of the American Mathematical Society.

《美国数学会会报》

0002-9939



Proceedings of the American Mathematical Society

中文译名：《美国数学会会报》

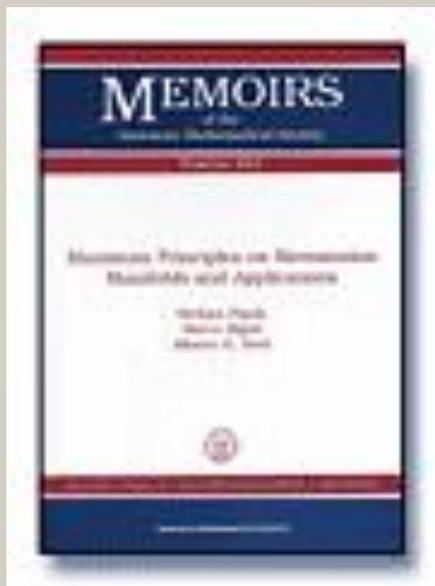
P- ISSN : 0002-9939

E- ISSN : 1088-6826

内容简介：《美国数学会会报》发表中等篇幅的纯粹数学和应用数学领域的研究成果。要求稿件准确无误、内容新颖、有重要意义，并且有较高写作水平，可以吸引众多数学家的兴趣。如果稿件内容只涉及未经证实定理的不确定步骤，或轻微变化对已知结果的影响，将不会被接受。**建议文章篇幅少于15页。**

Memoirs of the American Mathematical Society.

《美国数学协会论文集》0065-9266



Memoris of the American Mathematical Society

中文译名：《美国数学协会论文集》

P- ISSN : 0065-9266

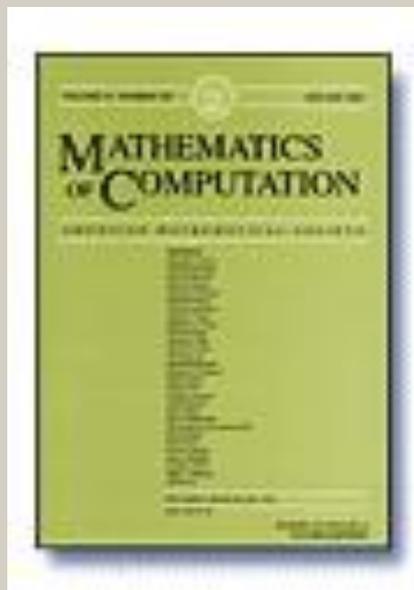
E- ISSN : 1947-6221

内容简介：《美国数学学会论文集》致力于出版纯粹数学和应用数学领域的研究成果，每期包含一个专题的论文或一组相关文章。期刊的投稿标准和《美国数学会汇刊》类似，要求稿件准确无误、内容新颖、有重要意义，并且有较高写作水平，可以吸引众多数学家的兴趣。**文章长度要求通常在80至200页左右**，如果不符合投稿长度范围，需要编辑委员会的特别批准才可发表。

Mathematics of Computation.

《计算数学》

0025-5718



Mathematics of Computation

中文译名：《计算数学》

P- ISSN : 0025-5718

E- ISSN : 1088-6842

内容简介：《计算数学》由美国数学会出版，创办于1943年，每年出版4期，主要收录计算数学领域高质量的研究文章。学科覆盖数值分析、计算离散数学、数论、代数和组合等相关领域。内容包括大量原始数学分析和算法发展的文章，同时包括部分计算数学方面书籍的评论。

Transactions of the Moscow Mathematical Society. 《莫斯科数学会汇刊》 0077-1554

翻译刊



Transactions of the Moscow Mathematical Society

中文译名：《莫斯科数学会汇刊》

P- ISSN : 0077-1554

E- ISSN : 1547-738X

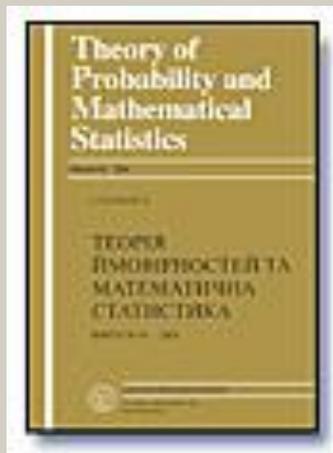
内容简介：《莫斯科数学会汇刊》由美国数学会出版，创办于1978年，每年出版1期。是俄文期刊 *Trudy Moskovskogo Matematicheskogo Obshchestva* 的英译版本主要包括纯数学领域的原创研究成果。

Theory of Probability and Mathematical Statistics.

《概率论与数理统计学》

0094-9000

翻译刊

**Theory of Probability and Mathematical Statistics**

中文译名：《概率论与数理统计学》

P- ISSN : 0094-9000

E- ISSN : 1547-7363

内容简介：《概率论与数理统计学》是基辅大学出版的俄文期刊 *Teoriya Imovirnostei ta Matematichna Statistika* 的完整英译翻译版，每年2期。刊载数学统计学方面的相关资讯。

St. Petersburg Mathematical Journal.

《圣彼得堡数学杂志》

1061-0022

翻译刊

**ST.Petersburg Mathematical Journal**

中文译名：《圣彼得堡数学杂志》

P- ISSN : 1061-0022

E- ISSN : 1547-7371

内容简介：《圣彼得堡数学杂志》由俄罗斯科学院数学部出版，美国数学会翻译发行的国际刊物，每年出版六期。是俄语期刊

Algebra i Analiz 的英译版本。刊载研究性文章、说明性文章和书评，包括俄罗斯及其他国家杰出数学家的文章。

OA刊



Notices of the American Mathematical Society

中文译名：《美国数学会通告》

P- ISSN : 0002-9920

E- ISSN : 1088-9477

内容简介：《美国数学会通告》由美国数学会出版，创办于1954年，每年出版11期。报道美国数学会的各种学术会议的**安排、出版物信息、数学界新闻、世界数学学术会议一览表、学会事务报告**、会员通讯以及数学界关注的其他消息和资料。期刊偶有介绍数学研究最新发展动向的短篇说明性文章。

OA刊



Bulletin of the American Mathematical Society

中文译名：《美国数学会通报（新辑）》

P- ISSN : 0273-0979

E- ISSN : 1088-9485

内容简介：《美国数学会通报（新辑）》创办于1891年，每年4期，是美国数学会最早出版的刊物之一。刊载阐发性的文章、书评和研究通报。旨在通过阐发性的文章，让所有数学领域的研究者都可以了解某一特定数学领域的发展情况。同时邀请数学领域的权威专家对部分挑选的数学书籍进行评论。

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- AMS及AMS出版物简介
- MathSciNet功能演示
- AMS 电子刊浏览及检索功能演示
- MathSciNet校外访问
- AMS主站及其他资源介绍
- FAQ

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 - 采用学校提供的VPN帐号，在PC端远程登录即可使用
- 没有VPN或用移动设备怎么办？
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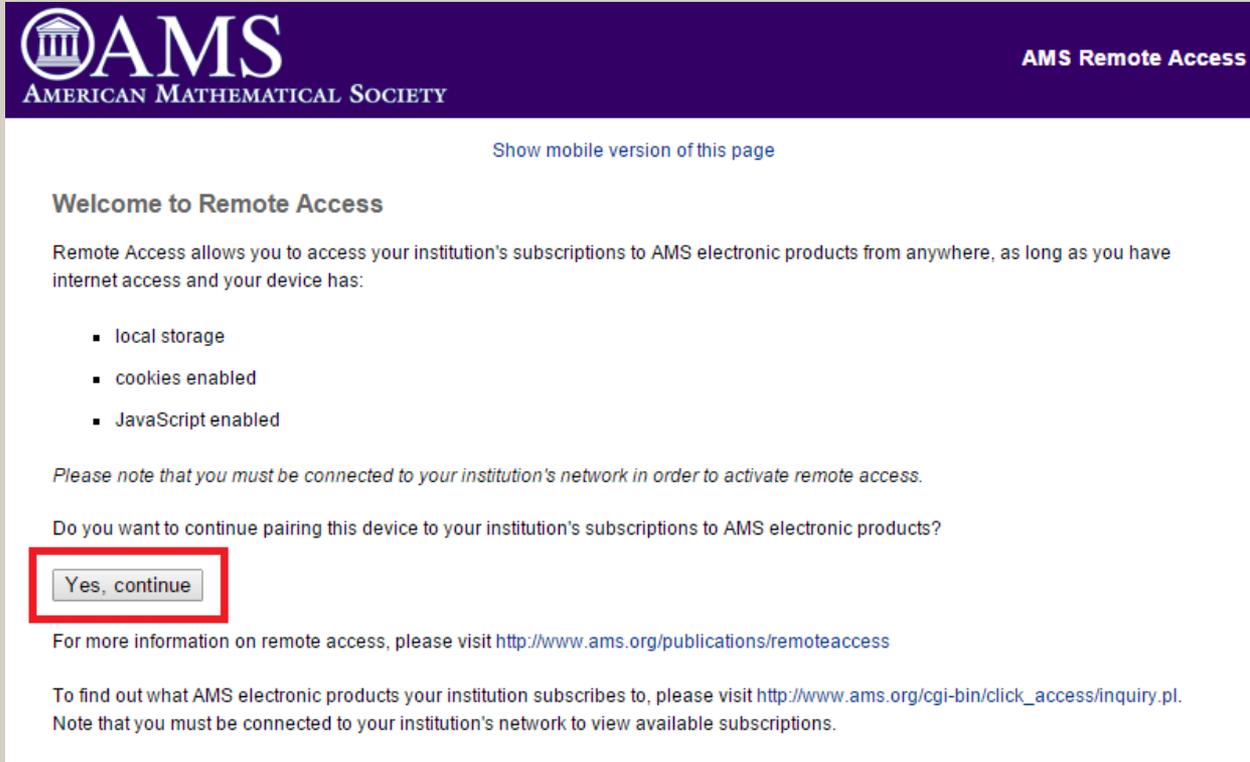
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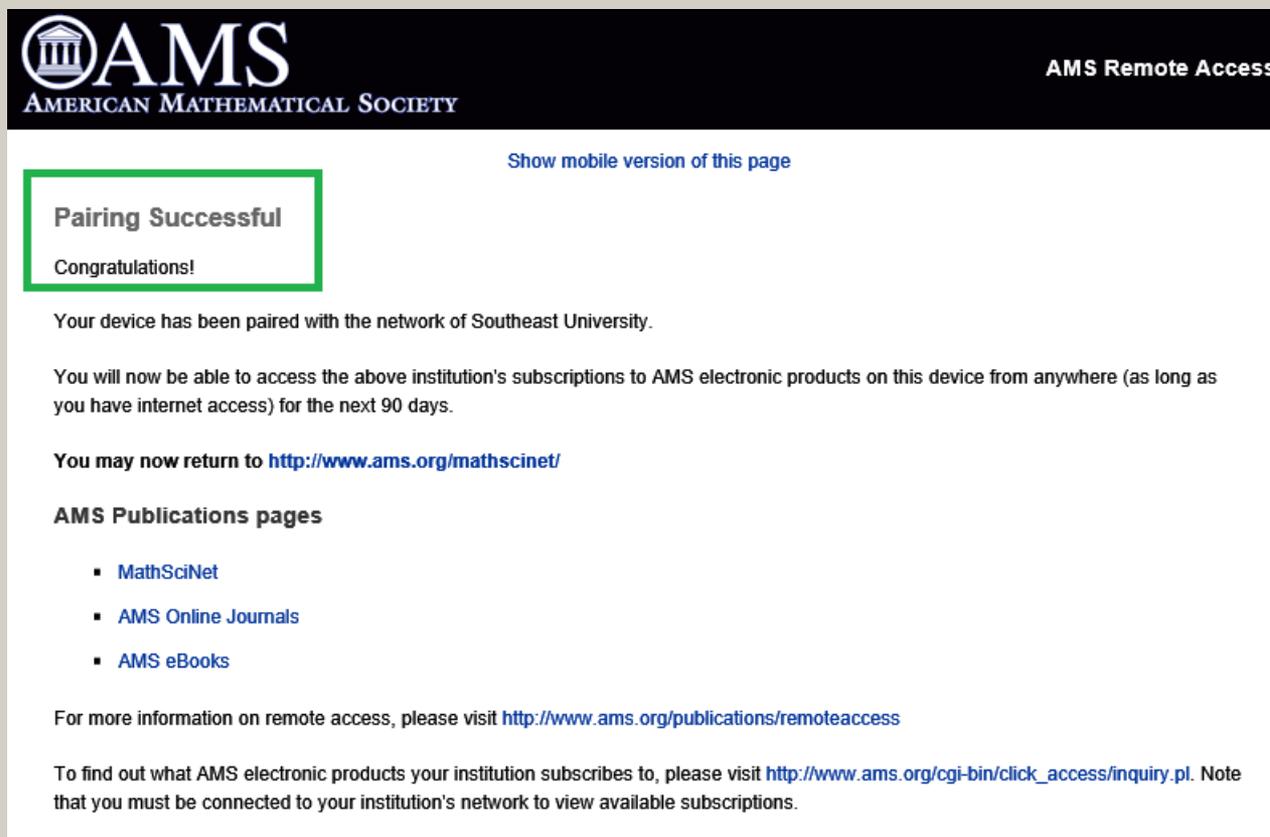
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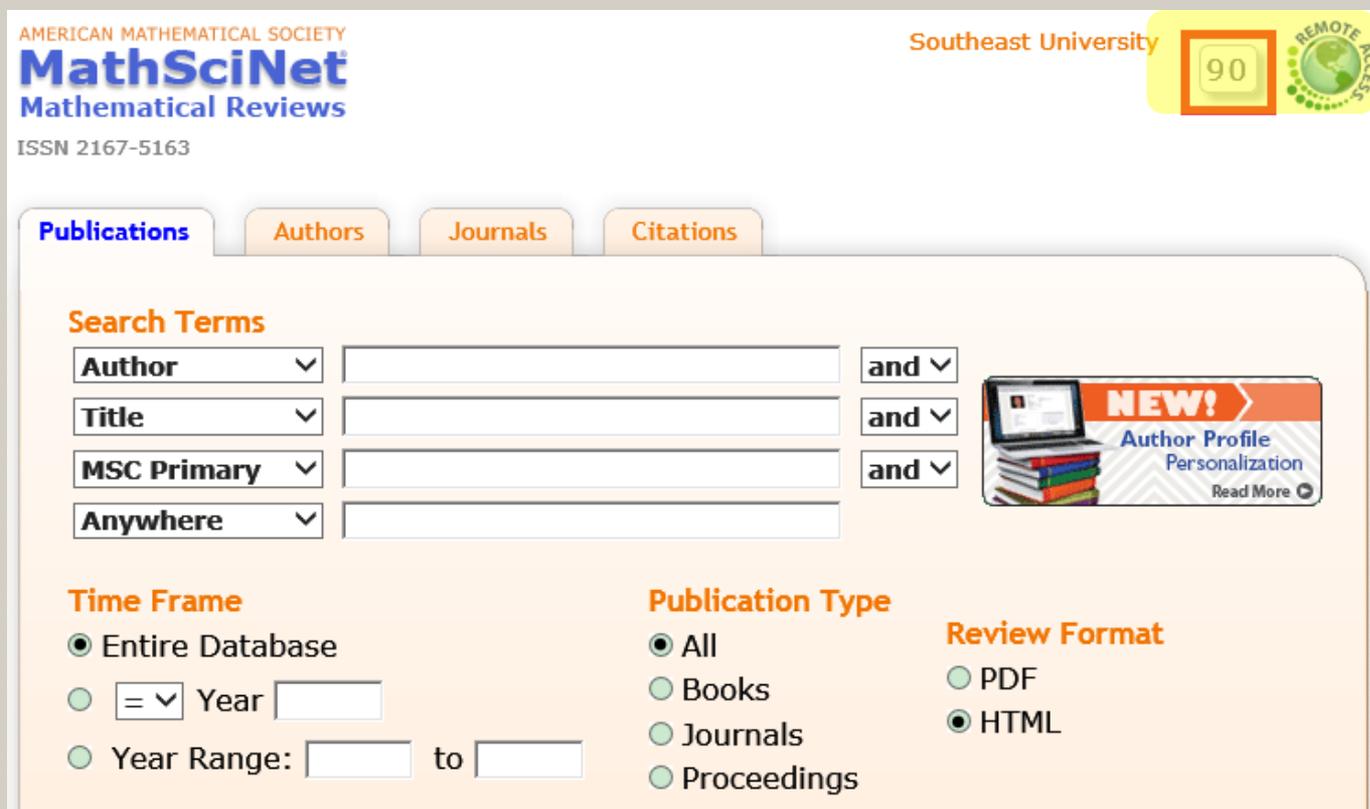
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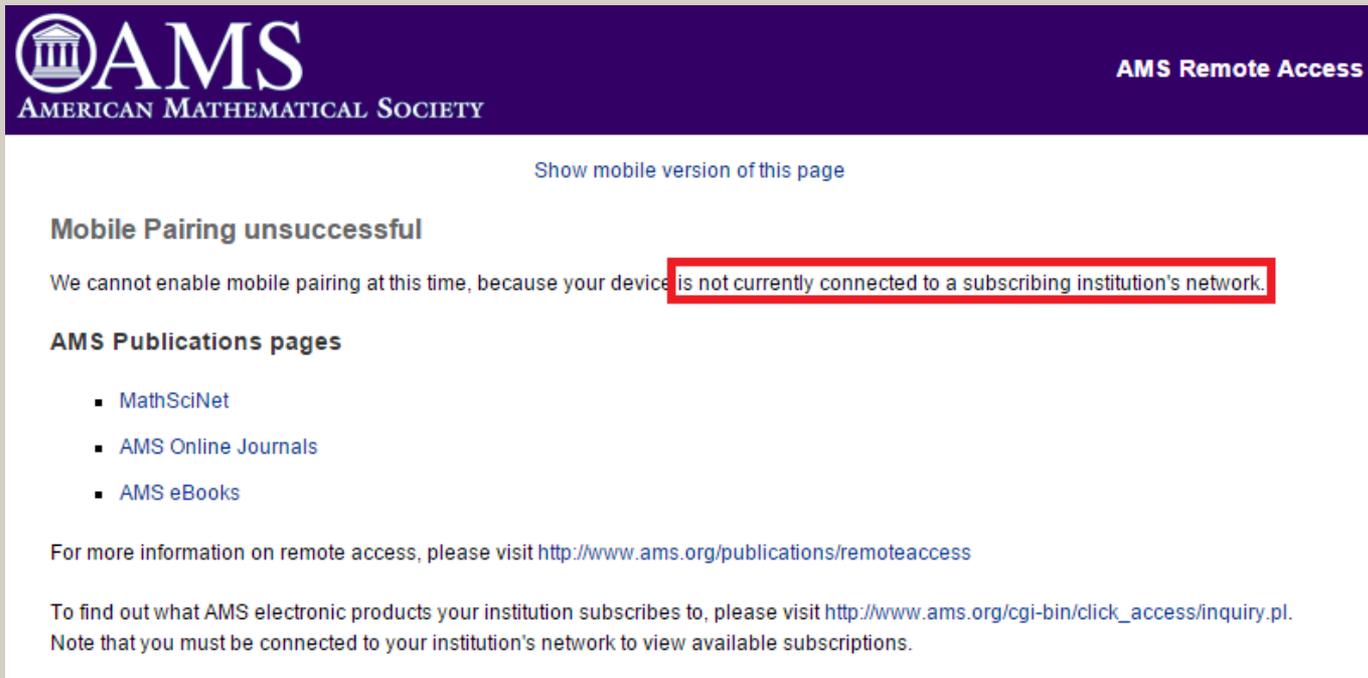
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- 数学系谱项目 (Mathematics Genealogy Project)
- 数学艺术馆 (<http://www.ams.org/mathimagery>)
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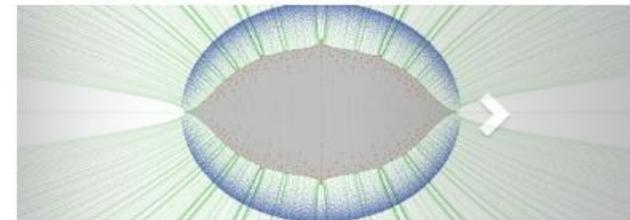
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Notices

December 2016

Volume 63 Number 11



FROM THE EDITOR

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In these last few pages of 2016, we feature Siegel's problem and the Graduate Student Section: an interview of Gigliola Staffilani; "What is Symplectic Geometry"; an interview with Helen G. Grundman, the new and first AMS Director of Education and Diversity; and the latest "My Professor" comic strip, responded to on our BackPage by a new "My TA" comic strip. From October through December the BackPage moves to immediately after the Graduate Student Section in order to feature the premier January Joint Mathematics Meetings at the end of the issue. —Frank Morgan, Editor-in-Chief



Feature Articles

[A Conversation with Helen G. Grundman, AMS Director of Education and Diversity](#)

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FAQ

Thank you

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