

# MathSciNet

# KAPSAM

- ***MathSciNet, American Mathematical Society*** tarafından üretilen ve içerisinde 1.400.000 makalenin özeti ve değerlendirmesi bulunan matematik konusundaki en önemli veri tabanıdır.
- 1940 yılından günümüze kadar matematik ve ilgili konularda yapılmış yayınlar ile yayınlara ait eleştiri, atıf, bibliyografik bilgi ve özet vermektedir.
- MathSciNet, yaklaşık olarak 1799 adet güncel dergi, konferanslar, araştırma raporları ve kitapları içermektedir. MathSciNet'de 219.592 orjinal makaleye bağlantı, 10.848 eleştiri yapan kişi ve 407.053 yazar indekslenmiştir.

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Elektronik Dergiler	Ortak Belge Sağlama (OBES)	Veri Tabanları Değerlendirme Formu
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Web of Science	Görsel ve Sesli Materyaller	
Gazi Üniversitesi E-Dergileri	Sıkça Sorulan Sorular	
Diğer E-Kaynaklar	Kütüphaneler ve Bilgi Merkezleri	

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Gelişmiş Arama

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Çarşamba

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Taramayı kolaylaştırmak için 5 farklı seçenek bulunmaktadır:

- 1- Publications
- 2- Authors
- 3- Journals
- 4- Author Citations
- 5- Journal Citations

# 1 - PUBLICATIONS

**Publications, çok çeşitli kriterlerle tarama yapmaya olanak sağlayan detaylı bir tarama alanıdır. Yazar adı, konu, dergi adı, makale başlığı, eleştiriler, enstitü kodu, matematik sınıflama numarası, seriler, referanslar vb. alanlardan tarama yapılabilir. İstenen bilgiler "AND, OR, NOT" bağlaçları ile birleştirilerek ve taranacak yıl, doküman türü, güncel matematik yayınlarının son sayılarına ilişkin kutucuklar işaretlenerek tarama başlatılır.**

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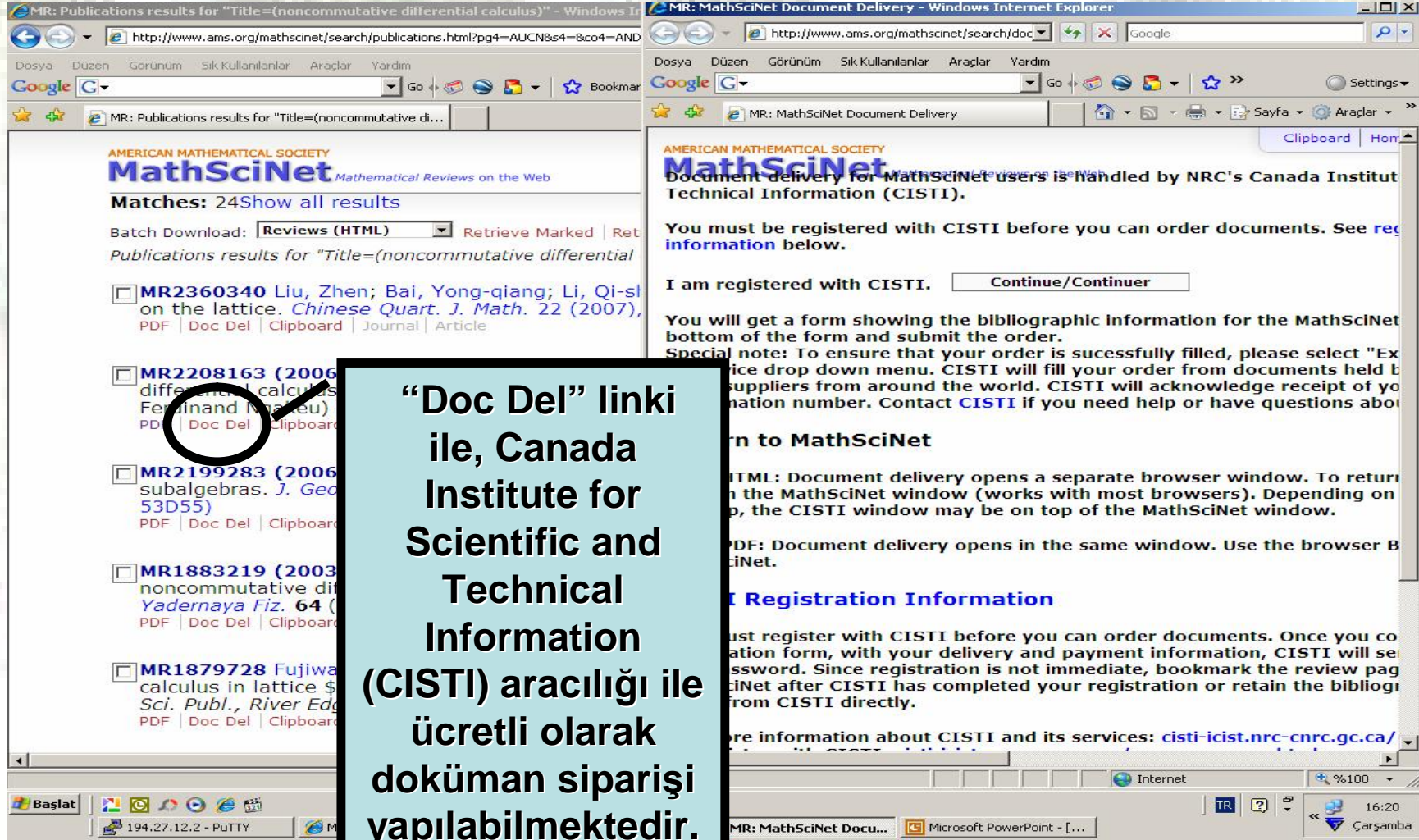
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Tarama bilginizi yazıp, "Search" butonuna basınız.

# 1 - PUBLICATIONS

The image shows a screenshot of a web browser displaying MathSciNet search results for the query "Title=(noncommutative differential calculus)". The search results list several publications, with the second entry, MR2208163 (2006k:81193) by Bachmaier, Fabian; Ferdinand Ngakeu, circled in black. A callout box with a black border and white background points to the PDF link for this entry, containing the text: "PDF linki ile, makalenin künyesi pdf formatında görüntülenmektedir." The detailed view of the publication shows the title "Separation of noncommutative differential calculus on quantum Minkowski space. (English summary)", authors "Bachmaier, Fabian (D-MNCHP); Blohmann, Christian (1-CA)", and the journal "J. Math. Phys. 47 (2006), no. 2, 023501, 22 pp." The abstract discusses the separation of differential calculus on the quantum Minkowski space  $\mathcal{X}$  and its application to solve Klein-Gordon wave equations. The browser's address bar shows the URL "http://www.ams.org/mathscinet/pdf/2208163.pdf?arg3=&co4=AND&co5=AND&co6=AND&co7=...". The taskbar at the bottom shows the system date and time as 09.05.2008, 16:19, and the location as Çarşamba.

# 1 - PUBLICATIONS



The image shows two browser windows. The left window displays search results for "Title=(noncommutative differential calculus)". The right window shows the document delivery page, which requires registration with CISTI. A callout box points to the "Doc Del" link in the search results.

**“Doc Del” linki ile, Canada Institute for Scientific and Technical Information (CISTI) aracılığı ile ücretli olarak doküman siparişi yapılabilmektedir.**

09.05.2008

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# 1 - PUBLICATIONS

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Publications results for "Title=(noncommutative differential calculus)"

- MR2360340** Liu, Zhen; Bai, Yong-qiang; Li, Q...  
on the lattice. *Chinese Quart. J. Math.* 25 (2006), no. 1, 1-10.  
PDF | Doc Del | **Clipboard** | Journal | Article
- MR2208163 (2006k:81193)** Bachmaier, Fabian  
differential calculus on quantum Minkowski space.  
Ferdinand (Gaketa) **MR60 (58B32 81R50)**  
PDF | Doc Del | **Clipboard** | Journal | Article
- MR2199283 (2006k:58010)** Marmo, G.; Vitale, G.  
subalgebras. *J. Geom. Phys.* 56 (2006), no. 4, 53D55.  
PDF | Doc Del | **Clipboard** | Journal | Article
- MR1883219 (2003f:17041)** Güven, Z.; Can, Z.  
noncommutative differential calculus. *Phys. Atm. Space  
Yadernaya Fiz.* 64 (2001), no. 12, 2233--2235.  
PDF | Doc Del | **Clipboard** | Journal | Article
- MR1879728** Fujiwara, Takanori BRST cohomology  
calculus in lattice  $U(1)$  gauge theory.  
*Sci. Publ., River Edge, NJ*, 2001. 81T50 (81T25)  
PDF | Doc Del | **Clipboard** | Journal | Article

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Clipboard linki, yapılan taramalar sonucunda seçilen başlıkların saklanmasına olanak vermektedir. Bu alana taramalar sırasında ekleme veya çıkarma yapılabilmektedir. Buraya kaydedilen başlıklar 24 saat sonra silinmektedir.

# 1 - PUBLICATIONS

The image shows two web browser windows. The left window is displaying the MathSciNet search results for the query "Title=(noncommutative differential calculus)". The search results list several articles, with the first one being "MR2360340 Liu, Zhen; Bai, Yong-qiang; Li, Qi-sl on the lattice. *Chinese Quart. J. Math.* 22 (2007), PDF | Doc Del | Clipboard | Journal | Article". A callout box with a black border and white background points to the "Journal" link in this entry. The right window shows the Journal of Mathematical Physics website, which includes a navigation menu, a search bar, and a list of articles. The callout box contains the following text:

Journal linki, makaleye abonelik veya üyelikle doğrudan erişilemediği durumlarda derginin web sayfasına bağlantı kurmaktadır.

# 1 - PUBLICATIONS

Article linki, Kütüphanemizin dergiye elektronik aboneliği var ise, makalenin tam metnine erişilmesini sağlamaktadır.

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http://www.ams.org/mathscinet/search/publications.html?pg4=AUCN&s4=&co4=AND&pc

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Matches: 24 Show all results  
Batch Download: **Reviews (HTML)** Retrieve Marked | Retrieve Publications results for "Title=(noncommutative differential calculus)"

**MR2360340** Liu, Zhen; Bai, Yong-qiang; Li, Qi-she  
on the lattice. *Chinese Quart. J. Math.* 22 (2007), no. 1, 1-10. MR2360340 (2008d:81101) Journal | Article

**MR2208163 (2006k:81193)** Bachmaier, Fabian; Blohmann, Christian  
Separation of noncommutative differential calculus on quantum Minkowski space. *J. Math. Phys.* 47 (2006), no. 2, 023501. MR2208163 (2006m:81150) Journal | Article

**MR1858010** Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus on quantum Minkowski space. *J. Math. Phys.* 47 (2006), no. 4, 043501. MR1858010 (2006m:81150) Journal | Article

**MR1704170** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704170 (2001j:81101) Journal | Article

**MR1704171** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704171 (2001j:81101) Journal | Article

**MR1704172** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704172 (2001j:81101) Journal | Article

**MR1704173** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704173 (2001j:81101) Journal | Article

**MR1704174** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704174 (2001j:81101) Journal | Article

**MR1704175** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704175 (2001j:81101) Journal | Article

**MR1704176** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704176 (2001j:81101) Journal | Article

**MR1704177** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704177 (2001j:81101) Journal | Article

**MR1704178** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704178 (2001j:81101) Journal | Article

**MR1704179** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704179 (2001j:81101) Journal | Article

**MR1704180** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704180 (2001j:81101) Journal | Article

**MR1704181** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704181 (2001j:81101) Journal | Article

**MR1704182** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704182 (2001j:81101) Journal | Article

**MR1704183** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704183 (2001j:81101) Journal | Article

**MR1704184** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704184 (2001j:81101) Journal | Article

**MR1704185** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704185 (2001j:81101) Journal | Article

**MR1704186** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704186 (2001j:81101) Journal | Article

**MR1704187** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704187 (2001j:81101) Journal | Article

**MR1704188** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704188 (2001j:81101) Journal | Article

**MR1704189** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704189 (2001j:81101) Journal | Article

**MR1704190** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704190 (2001j:81101) Journal | Article

**MR1704191** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704191 (2001j:81101) Journal | Article

**MR1704192** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704192 (2001j:81101) Journal | Article

**MR1704193** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704193 (2001j:81101) Journal | Article

**MR1704194** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704194 (2001j:81101) Journal | Article

**MR1704195** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704195 (2001j:81101) Journal | Article

**MR1704196** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704196 (2001j:81101) Journal | Article

**MR1704197** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
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**MR1704199** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
Noncommutative differential calculus. *Phys. Atomic Nuclei* 64 (2001), no. 12, 2233--2235 (Review). MR1704199 (2001j:81101) Journal | Article

**MR1704200** Güven, Z.; Can, Z.; Marmo, G.; Vitale, P.; Zaccaria, R.  
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J. Math. Phys. 47, 023501 (2006); DOI:10.1063/1.2165793  
Published 10 February 2006

ABSTRACT REFERENCES (39)

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Arnold Sommerfeld Center for Theoretical Physics, Fakultät für Physik, Universität München, Theresienstrasse 37, 80333 München, Germany

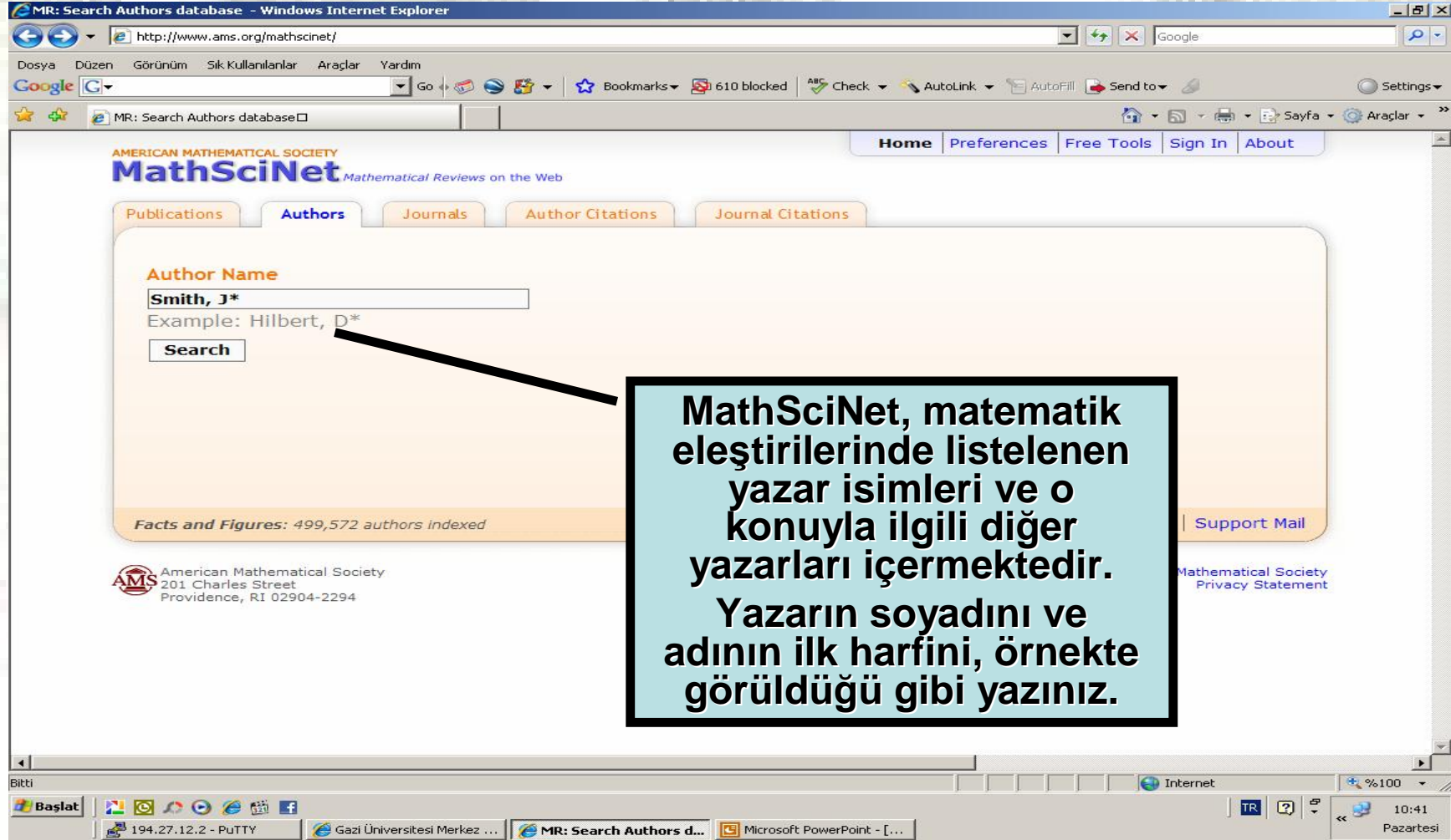
Christian Blohmann  
Department of Mathematics, University of California, Berkeley, California 94720-3840 and International University Bremen, School of Engineering and Science, Campus Ring 1, 28759 Bremen, Germany

Noncommutative differential calculus on quantum Minkowski space is not separated with respect to the standard generators, in the sense that partial derivatives of functions of a single generator can depend on all other generators. It is shown that this problem can be overcome by a separation of variables. We study the action of the universal  $L$ -matrix, appearing in the coproduct of partial derivatives, on generators. Powers of the resulting quantum Minkowski algebra valued matrices are calculated. This leads to a nonlinear coordinate transformation which essentially separates the calculus. A compact formula for general derivatives is obtained in form of a chain rule with partial Jackson derivatives. It is applied to the massive quantum Klein-Gordon equation by reducing it to an ordinary  $q$ -difference equation. The rest state solution can be expressed in terms of a product of  $q$ -exponential functions in the separated variables. ©2006 American Institute of Physics

History: Received 26 October 2005; accepted 9 December 2005; published 10 February 2006

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# 2 - AUTHORS



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Example: Hilbert, D\*

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Pazartesi

# 2 - AUTHORS

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# 2 - AUTHORS

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*Econ. Lett.* 89 (2005), no. 2, 153--156.  
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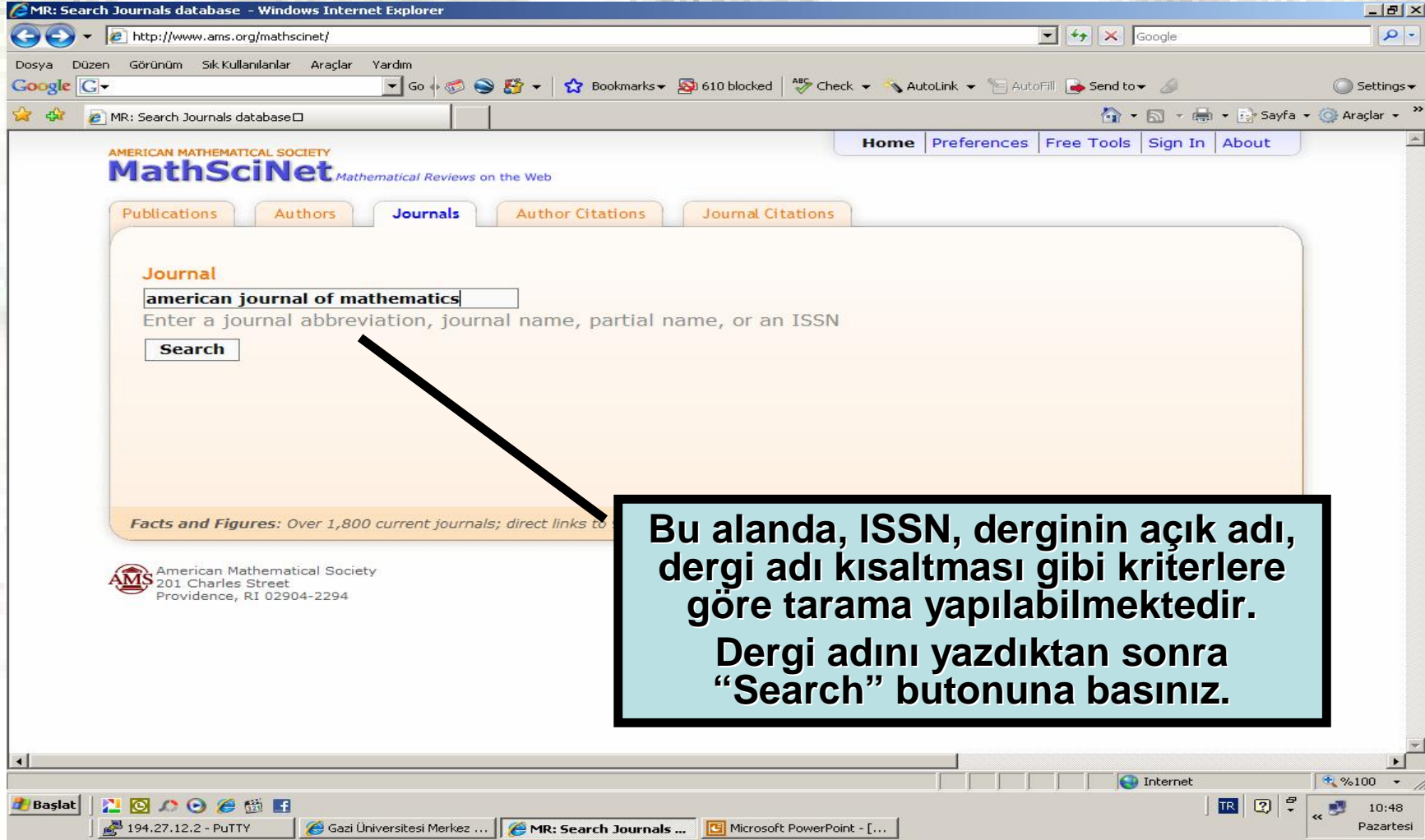
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# 3 - JOURNALS

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# 3 - JOURNALS

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# 4 – AUTHOR CITATIONS

The screenshot shows a web browser window displaying the MR: Search Author Citations website. The left sidebar contains a list of authors, with "Smith, John Howard" highlighted. The main content area shows a search result for "Smith, J..." and a "Clear" button. A text box with a black border and white background contains the text "Aradığınız yazarın adını listeden seçiniz." (Select the author's name from the list). The website footer includes the American Mathematical Society logo and contact information, along with a copyright notice for 2008.

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Publications Authors Journals **Author Citations** Journal Citations

We found more than one author that matched "Smith, J\*." Please select an author from the list below.

**Author Name**  
Smith, John Howard  
Example: Hilbert, D

List results for this author Clear

Top 10 Lists

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# 4 – AUTHOR CITATIONS

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Author Citations for " John Howard  
John Howard Smith is cited 38 times by 62  
in the MR Citation Database  
Most Cited Publications

Citations	Publication
17	<b>MR0266799 (42 #1702)</b> Smith, John H. Some properties of the spectrum of a graph. 1970 <i>Combinatorial Structures and their Applications (Proc. Calgary Internat. Conf., Calgary, Alta., 1969)</i> pp. 403--406 Gordon and Breach, New York (Reviewer: R. C. Read) <a href="#">05.40</a>
12	<b>MR0404028 (53 #7834)</b> Hoffman, Alan J.; Smith, John Howard On the spectral radii of topologically equivalent graphs. <i>Recent advances in graph theory (Proc. Second Czechoslovak Sympos., Prague, 1974)</i> , pp. 273--281. Academia, Prague, 1975. (Reviewer: A. J. Schwenk) <a href="#">05C10</a>
5	<b>MR0319940 (47 #8481)</b> Fein, Burton; Gordon, Basil; Smith, John H. On the representation of $-1$ as a sum of two squares in an algebraic number field. <i>J. Number Theory</i> <b>3</b> (1971), 310--315. (Reviewer: S. Chowla) <a href="#">12A40 (10B35 10C05)</a>
1	<b>MR0441227 (55 #14090)</b> Smith, John H. Aggregation of preferences with variable electorate. <i>Econometrica</i> <b>41</b> (1973), 1027--1041. <a href="#">90A05 (92A20)</a>
1	<b>MR0387303 (52 #8146)</b> Smith, John Howard A geometric treatment of nonnegative generalized inverses. <i>Linear and Multilinear Algebra</i> <b>2</b> (1974), 179--184. (Reviewer: A. Jaeger) <a href="#">15A09 (47A99)</a>
1	<b>MR0020760 (8,593d)</b> Smith, John H.; Smith, John H.; Estimation of linear functions of cell proportions. <i>Ann. Math. Statistics</i> <b>18</b> , (1947). 231--254. <a href="#">62.0X</a>
1	<b>MR0242789 (39 #4116)</b> Smith, John A remark on class numbers of number field extensions. <i>Proc. Amer. Math. Soc.</i> <b>20</b> 1969 388--390. (Reviewer: K. Masuda) <a href="#">10.68</a>

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# 4 – AUTHOR CITATIONS

The image shows a screenshot of the MathSciNet website in a Windows Internet Explorer browser. The main page displays the entry for MR0441227 (55 #14090) by Smith, John H., titled "Aggregation of preferences with variable electorate." The page includes a "Citations" section with the following data:

Citation Source	Count
From References	1
From Reviews	1

A light blue box with a black border contains the text "Yazarın aldığı atıflar" (Citations received by the author). Two black arrows originate from this box: one points to the "Citations" section, and the other points to the "Citations from reviews of (441227)" section. This section lists a citation by Myerson, Roger B. (1-NW-DS) titled "Axiomatic derivation of scoring rules without the ordering assumption." The citation is from *Soc. Choice Welf.* 12 (1995), no. 1, 59--74. The entry includes a summary of the paper and a link to the full text.

# 5 – JOURNAL CITATIONS

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2005  
2004  
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2002  
2001  
2000

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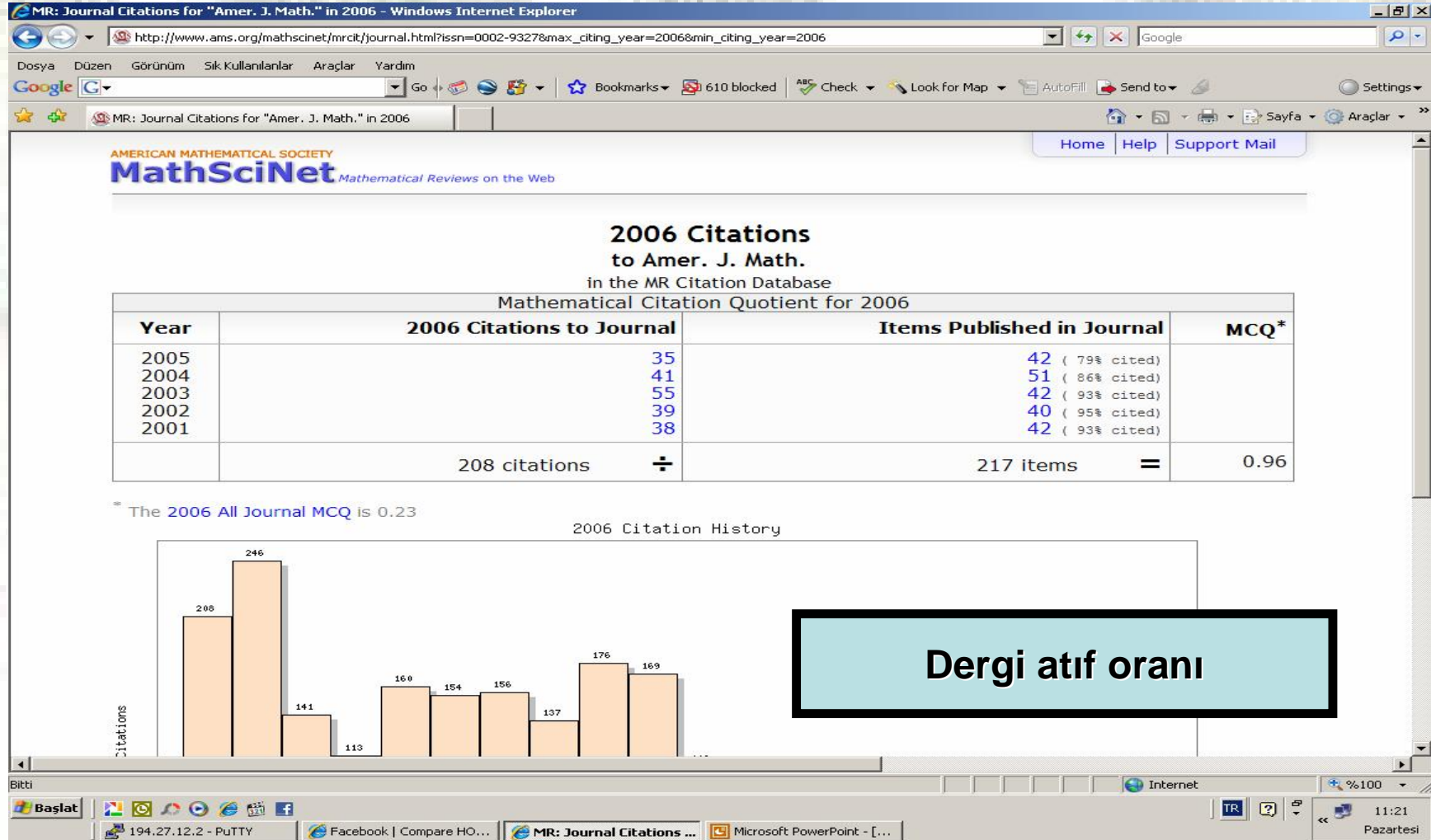
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# 5 – JOURNAL CITATIONS



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