

Жирију за доделу награде за достигнућа у математичким наукама 13. Српског математичког конгреса

Предмет: Предлог за доделу награде за достигнућа у математичким наукама

Поштовани,

слободни смо да предложимо да се награда за достигнућа у математичким наукама 13. Српског математичког конгреса додели др Драгану Стевановићу.

У складу са правилима за награду, кандидујемо др Драгана Стевановића првенствено на основу његових 35 самосталних научних радова и 2 самостална поглавља у научним монографијама из списка који следи, али и на основу осталих научних радова и стручних достигнућа.

Списак самосталних радова др Драгана Стевановића (у заградама је дат број цитата):

1. (цитиран **35** пута) D. Stevanović, *On the Randić index and Diameter of Chemical Graphs*, in: Recent Results in the Theory of Randić Index (I. Gutman, B. Furtula, eds.), Mathematical Chemistry Monographs, Vol. 6, University of Kragujevac, Kragujevac, 2008, pp. 49-55.
2. (цитиран **24** пута) D. Stevanović, *Hosoya polynomial of composite graphs*, Discrete Math. 235 (2001), 237-244.
3. (цитиран **20** пута) D. Stevanović, *Laplacian-like energy of trees*, MATCH Commun. Math. Comput. Chem. 61 (2009), 407-417.
4. (цитиран **15** пута) D. Stevanović, *The largest eigenvalue of nonregular graphs*, J. Combin. Theory, Ser. B 91 (2004), 143-146.
5. (цитиран **15** пута) D. Stevanović, *Bounding the largest eigenvalue of trees in terms of the largest vertex degree*, Linear Algebra Appl. 360 (2003), 35-42.
6. (цитиран **13** пута) D. Stevanović, *Research Problems from the Aveiro Workshop on Graph Spectra*, Linear Algebra Appl. 423 (2007), 172-181.
7. (цитиран **12** пута) D. Stevanović, *Maximizing Wiener index of graphs with fixed maximum degree*, MATCH Commun. Math. Comput. Chem. 60 (2008), 71-83.
8. (цитиран **10** пута) D. Stevanović, *Energy and NEPS of graphs*, Linear Multilinear Algebra 53 (2005), 67-74.
9. (цитиран **9** пута) D. Stevanović, *Graphs with palindromic independence polynomial*, Graph Theory Notes of New York 34 (1998), 31--36
10. (цитиран **6** пута) D. Stevanović, *Clique polynomials of threshold graphs*, Univ. Beograd. Publ. Elektr. Fak, Ser. Mat. 8 (1997), 84-87.
11. (цитиран **4** пута) D. Stevanović, *Applications of graph spectra in quantum physics*, in: Selected topics on applications of graph spectra (D. Cvetković, I. Gutman, eds.), Collection of Papers Vol. 14 (22), Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade, 2011, pp. 85-112.
12. (цитиран **3** пута) D. Stevanović, *4-Regular integral graphs avoiding ± 3 in the spectrum*, Univ. Beograd. Publ. Elektr. Fak, Ser. Mat. 14 (2003), 99-110.
13. (цитиран **2** пута) D. Stevanović, *Large sets of noncospectral graphs with equal Laplacian energy*, MATCH Commun. Math. Comput. Chem. 61 (2009), 463-470.
14. (цитиран **2** пута) D. Stevanović, *Distance regularity of compositions of graphs*, Appl. Math. Letters 17 (2004), 337-343.

15. (цитиран 2 пута) D. Stevanović, *Nonexistence of some 4-regular integral graphs*, Univ. Beograd. Publ. Elektr. Fak, Ser. Mat. 10 (1999), 81-86.
16. (цитиран 1 пут) D. Stevanović, *Two spectral characterizations of regular, bipartite graphs with five eigenvalues*, Linear Algebra Appl. 435 (2011), 2612-2625.
17. (цитиран 1 пут) D. Stevanović, *Counterexamples to conjectures on graphs with greatest edge-Szeged index*, MATCH Commun. Math. Comput. Chem. 64 (2010), 603-606.
18. (цитиран 1 пут) D. Stevanović, *An algorithm for constructing graphs with given eigenvalues and angles*, Filomat 13 (1999), 1-13.
19. D. Stevanović, *Remarks on dynamic load balancing of integer loads and integral graphs*, Appl. Math. Comput. 226 (2014), 38-43.
20. D. Stevanović, *Comment on "Subgraph centrality in complex networks"*, Phys. Rev. E 88 (2013), 026801.
21. D. Stevanović, *Comparing the Zagreb indices of the NEPS of graphs*, Appl. Math. Comput. 219 (2012), 1082-1086.
22. D. Stevanović, *Oriented incidence energy and threshold graphs*, FILOMAT 25 (2011), issue 2, 1-8.
23. D. Stevanović, *Remarks on Fowler-Manolopoulos predictor of fullerene stability*, MATCH Commun. Math. Comput. Chem. 66 (2011), 285-292.
24. D. Stevanović, *Resolution of AutoGraphiX conjectures relating the index and matching number of graphs*, Linear Algebra Appl. 433 (2010), 1674-1677.
25. D. Stevanović, *Approximate energy of dendrimers*, MATCH Commun. Math. Comput. Chem. 64 (2010), 65-73.
26. D. Stevanović, *Large sets of long distance equienergetic graphs*, Ars Math. Contemp. 2 (2009), 35-40.
27. D. Stevanović, *All graphs in which each pair of distinct vertices has exactly two common neighbours*, Math. Bohemica 130 (2005), 101-105.
28. D. Stevanović, *Bipartite density of cubic graphs: case of equality*, Discrete Math. 283 (2004), 279-281.
29. D. Stevanović, *Note on a question of Karimi, Lewinter and Stauffer*, Graph Theory Notes of New York 46 (2004), 43-44.
30. D. Stevanović, *Maximal planar biregular graphs*, Graph Theory Notes of New York 46 (2004), 45-48.
31. D. Stevanović, *A Note on a Conjecture due to Gutman*, Graph Theory Notes of New York 46 (2004), 25-26.
32. D. Stevanović, *Remarks on graphs with majority of eigenvalues at most -1*, Linear Algebra Appl. 367 (2003), 337-340.
33. D. Stevanović, *On the components of NEPS of connected bipartite graphs*, Linear Algebra Appl. 356 (2002), 67-78.
34. D. Stevanović, *On the number of maximal independent sets of vertices in star-like ladders*, Fibonacci Quarterly 39 (2001), no. 3, 211-213.
35. D. Stevanović, *Antipodal graphs of small diameter*, Filomat 15 (2001) 79-83.
36. D. Stevanović, *When can the components of NEPS be almost cospectral?*, Linear Algebra Appl. 311 (2000), 35-44.
37. D. Stevanović, *When is NEPS of graphs connected?*, Linear Algebra Appl. 301 (1999), 137-144.

Сви ови научни радови др Драгана Стевановића су веома квалитетни и објављени у добрим часописима. Докази о цитираности ових научних чланака се могу наћи у приложеној потврди Универзитетске библиотеке "Светозар Марковић" о броју цитата.

Др Драган Стевановић је рођен 20. јула 1974. године, тако да у години конгреса пуни 40 година живота. У периоду од 1998. до новембра 2013. био је запослен на Природно-математичком факултету (у звањима од асистента-приправника до редовног професора), а од децембра 2013. запослен је на Математичком институту САНУ у звању научног саветника.

Др Драган Стевановић се бави истраживањима у области спектралне теорије графова, као и применама спектра графова у рачунарству и проучавању комплексних мрежа. У досадашњој научној каријери, Драган Стевановић је објавио 97 чланака у научним часописима и 5 поглавља у научним монографијама који су до средине 2013. године цитирани укупно 578 пута (без аутоцитата). Од тога је следећих 9 чланака цитирано укупно 239 пута (без аутоцитата):

- (цитиран **38** пута) К. Balinska, D. Cvetković, Z. Radosavljević, S. Simić, D. Stevanović, *A survey on integral graphs*, Univ. Beograd. Publ. Elektr. Fak, Ser. Mat. 13 (2002), 42–65
- (цитиран **35** пута) D. Stevanović, *On the Randić index and Diameter of Chemical Graphs*, in: Recent Results in the Theory of Randić Index (I. Gutman, B. Furtula eds.), Mathematical Chemistry Monographs, Vol. 6, University of Kragujevac, Kragujevac, 2008, pp. 49–55
- (цитиран **28** пута) AIM Minimum Rank—Special Graphs Work Group (18 аутора укључујући Драгана Стевановића), *Zero forcing sets and the minimum rank of graphs*, Linear Algebra Appl. 428 (2008), 1628–1648
- (цитиран **26** пута) B. Zhou, D. Stevanović, *A Note on Zagreb Indices*, MATCH Commun. Math. Comput. Chem. 56 (2006), 571–578
- (цитиран **24** пута) D. Stevanović, A. Ilić, *On the Laplacian coefficients of unicyclic graphs*, Linear Algebra Appl. 430 (2009), 2290–2300
- (цитиран **24** пута) D. Stevanović, *Hosoya polynomial of composite graphs*, Discrete Math. 235 (2001), 237–244
- (цитиран **22** пута) M. Bašić, M. Petković, D. Stevanović, *Perfect state transfer in integral circulant graphs*, Appl. Math. Letters 22 (2009), 1117–1121
- (цитиран **22** пута) A. Ilić, D. Stevanović, *On comparing Zagreb indices*, MATCH Commun. Math. Comput. Chem. 62 (2009), 681–687
- (цитиран **20** пута) D. Stevanović, *Laplacian-like energy of trees*, MATCH Commun. Math. Comput. Chem. 61 (2009), 407–417

Поред објављивања научних радова, др Драган Стевановић је посвећен и повећању угледа српске математике у светској математичкој јавности кроз бројне научне активности, као што су:

- чланство у уређивачком одбору угледног математичког часописа *Linear Algebra and its Applications*
- гостујућа уредништва у специјалним бројевима математичких часописа *Linear Algebra and Its Applications* и *Discrete Applied Mathematics*,
- организација и председништво програмским одбором међународне конференције *Applications of Graph Spectra in Computer Science* у Институту CRM у Барселони, која је одржана од 16-20. јула 2012. године,
- позвана предавања на девет међународних и две националне конференције,
- предавања која је држао у оквиру научних семинара на 12 иностраних универзитета на четири различита континента,
- учествовање у комисији за одбрану докторске дисертације кандидата *Dajie Liu* на Техничком универзитету у Делфту, Холандија, у марту 2013. године,
- учествовање у комисији за оцену урађене докторске дисертације кандидата *Marsha Elizabeth Minchenko* на Монаш универзитету, Аустралија, у јануару 2014. године,
- научну сарадњу са више од педесет иностраних математичара, хемичара, физичара и инжењера, која је резултирала објављивањем 62 заједничка чланка у научним часописима.

У прилогу овог предлога достављамо:

- детаљан CV др Драгана Стевановића са списком његових научних радова,
- званичну потврду Универзитетске библиотеке "Светозар Марковић" о броју цитата са списком радова који цитирају дела др Драгана Стевановића,
- копију личне карте др Драгана Стевановића са датумом рођења, као и
- потврду Природно-математичког факултета Универзитета у Нишу о радном односу у периоду од 2000-2013.

Сви научни чланци др Драгана Стевановића доступни су на draganstevanovic.wordpress.com.

Подносиоци предлога,

Проф. др Драгош Цветковић, с.р.
редовни члан САНУ

Проф. др Иван Гутман, с.р.
редовни члан САНУ

Проф. др Слободан Симић, с.р.
научни саветник

Проф. др Љубиша Кочицац, с.р.
редовни професор у пензији

Curriculum Vitae

Dragan Stevanović

February 5, 2014

Home: Ktitor 35, 18000 Niš, Serbia
tel: +381 18 212 516, fax: +381 18 533 014

E-mail: dragance106@yahoo.com

Web site: draganstevanovic.wordpress.com

Office: Mathematical Institute, Serbian Academy of Science and Arts
Knez Mihajlova 36, 11000 Belgrade, Serbia

Born: July 20, 1974, Niš, Serbia, Yugoslavia

Family status: Married to Sanja since June 25, 2000
Son Djordje born on May 5, 2003
Daughter Milica born on July 17, 2006

EDUCATION

Ph.D. in Mathematics, 2000.

Faculty of Science and Mathematics, Niš, Serbia, YU

Thesis title: *Some compositions of graphs and integral graphs.*

Thesis advisor: Professor Dragoš Cvetković.

M.Sc. in Mathematics, 1998.

Faculty of Philosophy, Niš, Serbia, YU

Thesis title: *Construction of graphs with given eigenvalues and angles.*

Thesis advisor: Professor Dragoš Cvetković.

B.S. in Mathematics, 1996.

Faculty of Philosophy, Niš, Serbia, YU

Average grade 9.89 (out of 10)

WORK EXPERIENCE

Mathematical Institute of the Serbian Academy of Science and Arts, Belgrade, Serbia
Research Professor, December 2013 –
Faculty of Mathematics, Natural Sciences and Information Technology, Koper, Slovenia
Visiting Professor, October 2007 –
Faculty of Science and Mathematics, Niš, Serbia
Full Professor, July 2008 – November 2013
Associate Professor, September 2004 – June 2008
Assistant Professor, September 2000 – August 2004
Teaching Assistant, October 1999 – August 2000
Faculty of Economics, Belgrade, Serbia
Associate Professor, September 2004 – September 2006, part-time
Assistant Professor, October 2003 – August 2004, part-time
Forschungsschwerpunkt Mathematisierung, University of Bielefeld, Germany
Postdoctoral researcher, February 2002–August 2003
Faculty of Philosophy, Niš, Serbia, YU
Teaching Assistant, October 1997 – September 1999
Ei SiGraf, Niš, Serbia, YU (representative of Silicon Graphics Inc.)
Programmer, September 1993 – December 1995, part-time

EDITORIAL SERVICES

Linear Algebra and its Applications
Associate Editor, 2014–
Discrete Applied Mathematics
Guest editor for Special Issue
“Applications of Graph Spectra in Computer Science”, 2012–2014
Linear Algebra and its Application
Guest editor for Special Issue dedicated to
70th birthday of Dragoš Cvetković, 2010–2011
FILOMAT
Editorial Board Member, 2008–2013
Matematički Vesnik
Editorial Board Member, 2010–
Journal of Mathematical Nanoscience
Editorial Board Member, 2011–
Annals of the University of Craiova, Mathematics and Computer Science Series
Editorial Board Member, 2010–
Facta Universitatis, Series Mathematics and Informatics

Editorial Board Member, 2008–
Spectral Graph Theory Home Page, <http://www.sgt.pep.ufrj.br>
Editor of Open Problems Section, 2005–

ORGANIZING ACTIVITIES

Coordinator of *CRM Advanced Course on Combinatorial Matrix Theory*
CRM, Barcelona, July 14–18, 2014.
Coordinator, Scientific Committee Chair and Organizing Committee Co-chair of
CRM Conference on Graph Spectra Applications in Computer Science
CRM, Barcelona, July 16–20, 2012.
Organized *Minisymposium on Graph Spectra and its Applications*
at the 7th Slovenian International Conference on Graph Theory,
Bled, Slovenia, June 19–25, 2011.
Co-organized (with Vlado Nikiforov) *Minisymposium on Spectral Graph Theory*
at the 16th ILAS Conference, Pisa, Italy, June 21–25, 2010.
Open Problems Session Chair at the Spectral Graph Theory Workshop in Rio,
Rio de Janeiro, Brazil, December 1–4, 2008.
Organized Working Group *Using the spectral graph theory techniques to*
search for strongly regular and distance regular graphs at the
5th Linear Algebra Workshop, Kranjska Gora, May 27–June 5, 2008.
Co-organized (with Slobodan Simić) *Minisymposium on Spectral Graph Theory*
at the 6th Slovenian International Conference on Graph Theory,
Bled, Slovenia, June 24–30, 2007.
Open Problems Session Chair at the Aveiro Workshop on Graph Spectra,
Aveiro, Portugal, April 10–12, 2006.

FUNDED PROJECTS—RESEARCH

Serbian Ministry of Education and Science Grant No. 174033
Project leader: Dragoš Cvetković, duration: 2011–2014
Grants for PhD students under my supervision at the University of Primorska
Slovenian Research Agency, Young Researcher Programme
1. Recipient: Alexander Vasilyev, duration: 2011–2014
2. Recipient: Pawel Petecki, duration: 2012–2015
3. Recipient: Tatiana Romina Hartinger, duration: 2013–2016
USA-Slovenian Bilateral Research Project No. BI-US/13-14-020
“Resolving the conjecture on almost cospectrality of the components of NEPS of graphs”

Project leader in Slovenia: Dragan Stevanović
Project leader in USA: Richard Brualdi, duration: 2013–2014
Serbian-Slovak Bilateral Research Project
“Applications and study of integral graphs”
Project leader in Serbia: Dragan Stevanović
Project leader in Slovakia: Pavel Hic, duration: 2010–2013
Slovenian-Montenegrin Bilateral Research Project
“Modern topological indices in mathematical chemistry and their computer modelling”
Project leader in Slovenia: Dragan Stevanović
Project leader in Montenegro: Žana Kovijanić, duration: 2010–2011
Slovenian Agency for Research, Programme P1-0285
Project leader: Dragan Marušič, duration: 2008–2013
Slovenian-Serbian Bilateral Research Project No. BI-RS/05-09-008
Project leader in Slovenia: Dragan Marušič
Project leader in Serbia: Dragan Stevanović, duration: 2008–2009
Serbian Ministry of Science, Technology and Development Grant No. 144015G
Project leader: Dragoš Cvetković, duration: 2006–2010
Serbian Ministry of Science, Technology and Development Grant No. 1389
Project leader: Dragoš Cvetković, duration: 2002–2005
Serbian Ministry of Science, Technology and Development Grant No. 1227
Project leader: Miroslav Ćirić, duration: 2002–2005
Serbian Ministry of Science and Technology Grant No. 04M03B
Project leader: Stojan Bogdanović, duration: 1996–2001

FUNDED PROJECTS—TEACHING

DAAD Intensive Course “Graph Spectra and Applications”, duration: August 28–September 3, 2012
20 classes course taught in Hotel Breza, Spa of Vrnjci by myself and Robert Elsässer (Salzburg)
for 20 students from Western Balkan countries and Romania
WUS Austria eLearning project No. eLP 001/2006
Project leader: Dragan Stevanović, duration: May 2006–April 2007
TEMPUS CD-JEP 16160–2001
Project leader: Claudio Moraga, duration: 2002–2005

HONORS

University of Primorska, Koper, Slovenia
Scientific Excellence Award, 2011

Ministry of Science and Technology of Serbia
Research Merit Award, 2004
International Conference FILOMAT 2001
Award for best young Serbian algebraists
Ministry of Science and Technology of Serbia
Graduate Fellowship, 1997 – 1998

PROFESSIONAL SERVICE

Faculty of Science and Mathematics, Niš, Serbia
Organizer of one-day promotion of Computer Science studies
among high-school students awarded at mathematical and informatics competitions, 2010–2013
(with visible results: number of student applications doubled in 2010 and in 2011 each)
Head of Institute for Computer Science, 2009–
Coauthor of an accredited study programs (1st, 2nd and 3rd level) in Computer Science, 2008
Head of Cathedra for Informatics, 2004–2007
Euro-Mediterranean University, Piran, Slovenia
Registered expert for ENPI 2009 project, 2010
Mathematical Society of Serbia, Niš branch
Chair, 2004–2007
Yugoslav Committee for high-school mathematical competitions
Member, 1997–2000
Serbian Committee for high-school mathematical competitions
Member, 1997–2000

REFEREE & REVIEW SERVICE

Grant proposals referee for funding agencies:

American Mathematical Society, 2013
Kuwait Foundation for Advancement of Science, 2013
Slovak Ministry of Science, 2011

Ad-hoc referee of 15-20 manuscripts per annum for:

◇ *Linear Algebra Appl.* ◇ *Linear Multilinear Algebra* ◇ *European J. Combin.* ◇ *Graphs and Combin.* ◇
Discrete Math. ◇ *Discrete Appl. Math.* ◇ *Ars Combin.* ◇ *MATCH Commun. Math. Comput. Chem.* ◇
Appl. Math. Letters ◇ *Appl. Math. Comput.* ◇ *Comput. Math. Appl.* ◇ *Math. Model.* ◇ *Acta Math.*
Sinica ◇ *Electronic J. Linear Algebra* ◇ *Publ. Inst. Math. (Belgrade)* ◇ *Univ. Beograd. Publ. Elektr.*
Fak, Ser. Mat. ◇ *FILOMAT (Niš)* ◇ *DIMACS Series in Discrete Math. and Theor. Comp. Sci.* ◇ ...

LECTURES AND SEMINARS

Lectures and seminars (not conference lectures) held at:

◊ *Rutgers University*, USA (2001) ◊ *University of Bielefeld*, Germany (2002) ◊ *GERAD*, Montreal, Canada (2004, 2007) ◊ *Mathematical Institute of Serbian Academy of Science and Arts*, Belgrade, Serbia (2004, 2008, 2014) ◊ *University of Tilburg*, Netherlands (2005) ◊ *Federal University of Rio de Janeiro*, Brazil (2005, 2008) ◊ *Fluminense Federal University*, Niteroi, Brazil (2005) ◊ *San Diego State University*, USA (2006) ◊ *Shanghai Jiao Tong University*, China (2006) ◊ *Institute of Mathematics, Physics and Mechanics*, Ljubljana, Slovenia (2007) ◊ *University of Messina*, Italy (2010) ◊ *Technical University Delft*, The Netherlands (2013) ◊ *University of Salzburg*, Austria (2013) ◊ *University of Wisconsin-Madison*, USA (2013)

GRADUATE STUDENTS

Tatiana Romina Hartinger, in progress

Ph.D. student under “Young Researcher Programme”

Pawel Petecki, in progress

Ph.D. student under “Young Researcher Programme”

Aleksandar Vasilyev, in progress

Ph.D. student under “Young Researcher Programme”

Aleksandar Ilić, 2011

Ph.D. Thesis: *Extremal problems and algorithms for graph invariants based on eigenvalues and distances*

Milan Bašić, 2011

Ph.D. Thesis: *Some problems of graph theory in quantum networks and nondeterministical automata*, co-mentored with Miroslav Ćirić

Marko Milošević, 2008

Ph.D. Thesis: *Application of spectral methods in the search for strongly regular graphs*

Ivan Stanković, 2010

M.Sc. Thesis: *Computer-assisted search for conjectures on energy of graphs*

Vladimir Brankov, 2006

M.Sc. Thesis: *Computer-assisted search for conjectures in graph theory*

DOCTORAL COMMITTEES ABROAD

Dajie Liu, TU Delft, The Netherlands, 2013

Marsha Minchenko, Monash University, Australia, 2014

SUBJECTS TAUGHT

Faculty of Science and Mathematics, Niš, Serbia

Seminar in Algebraic Graph Theory, doctoral level, 2008–

Seminar in Algebraic Combinatorics, doctoral level, 2008–

Spectral Graph Theory, master level, 2012–

Discrete Structures II, bachelor level, 36 hours, 2008 –

Discrete Mathematics, bachelor level, 36 hours, 2001 – 2008

Combinatorial Optimization, bachelor level, 36 hours, 2003 – 2009

Data Structures & Algorithms, bachelor level, 20 hours, 2001 – 2007

Relational Database Systems, bachelor level 20 hours, 2001 – 2007

Algebra I, bachelor level, 36 hours, 2002 – 2003

Faculty of Mathematics, Natural Sciences and Information Technology, Koper, Slovenia

Number Theory, bachelor level, 75 hours, 2012–

Discrete Mathematics II, bachelor level, 45 hours, 2008–

Mathematical Topics in a Foreign Language, bachelor level, 45 hours, 2007–

Graph Theory, bachelor level, 30 hours, 2010

Combinatorics, bachelor level, 30 hours, 2010

Combinatorial Matrix Theory, master level, 30 hours, 2009

Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia

Graph Theory, bachelor level, 30 hours, 2010

Faculty of Economics, Belgrade, Serbia

Programming languages, master level, 45 hours, 2003 – 2006

PUBLICATIONS OF DRAGAN STEVANOVIĆ

RESEARCH ARTICLES

Submitted

- L. Feng, G. Yu, A. Ilić, D. Stevanović, *The signless Laplacian spectral radius of bounded degree graphs on surfaces*, submitted to *Acta Math. Sin., Eng. Ser.*
- S. Majstorović, D. Stevanović, *Graphs with the largest eigenvalue of modularity matrix equal to zero*, submitted to *Electron. J. Linear Algebra*
- M. Pokorný, P. Híc, D. Stevanović, M. Milošević, *Distance integral graphs*, submitted to *Discrete Math.*
- D. Stevanović, I. Gutman, M.U. Rehman, *On Spectral Radius and Energy of Complete Multipartite Graphs*, submitted to *Ars Math. Contemp.*

2014

97. N. Milosavljević, D. Stevanović, *Detour index of hexagonal chains*, MATCH Commun. Math. Comput. Chem. 72 (2014), 137–152.
96. A. Vasilyev, D. Stevanović, *MathChem: a Python package for calculating topological indices*, MATCH Commun. Math. Comput. Chem. 71 (2014), 657–680.
95. D. Stevanović, *Remarks on dynamic load balancing of integer loads and integral graphs*, Appl. Math. Comput. 226 (2014), 38–43.

2013

94. D. Stevanović, *Comment on “Subgraph centrality in complex networks”*, Phys. Rev. E 88 (2013), 026801.
93. P. Híc, M. Pokorný, D. Stevanović, *Remarks on Q -integral complete multipartite graphs*, Linear Algebra Appl. 439 (2013), 2029–2037.
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CONFERENCES

INVITED SPEAKER

11. International Symposium on Discrete Mathematics and Mathematical Biology, Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany, August 26–27, 2013. Talk: *Principal eigenvector potpourri*
10. Computers in Scientific Discovery 6, Portorož, Slovenia, August 21–25, 2012. Talk: *Spectral approaches to community detection*
9. 7th Slovenian International Conference on Graph Theory, Bled, Slovenia, June 19–25, 2011. Talk: *Eigenvector approach to spectral radius minimization*
8. 46th Czech-Slovak Conference on Graph Theory, Šachtička, Slovakia, June 6–10, 2011. Talk: *Maximum decrease in the largest adjacency eigenvalue of a graph by edge deletions*

7. Mini Conference on Discrete Mathematics “Tomo is Sixty”, Ljubljana, Slovenia, June 26–27, 2009. Talk: *Play with the principal eigenvector of decorated graphs*
6. Spectral Graph Theory Workshop in Rio, Rio de Janeiro, Brazil, December 1–4, 2008. Talk: *Laplacian coefficients and Laplacian-like energy of graphs*
5. Algebraic Combinatorics at the Adriatic Coast III, Koper, Slovenia, May 16–17, 2008. Talk: *Star complements and strongly regular graphs*
4. ARCC Workshop on Spectra of families of matrices described by graphs, digraphs, and sign patterns, Palo Alto, CA, USA, October 23–27, 2006. Talk: *Energy of graphs: a few open problems and some suggestions*
3. Spectra of Graphs and Applications, Belgrade, Serbia, September 5, 2006. Talk: *Further nonexistence results on integral graphs*
2. Workshop on Graph Theory and Computational Biology, Shanghai, China, March 5–10, 2006. Talk: *Bioinformatics and Spectra of Graphs*
1. Mathematics and its Applications in Biology and Chemistry, Bielefeld, Germany, October 9–10, 2003. Talk: *newGRAPH: a graph theorist’s little helper*

ORDINARY SPEAKER

19. Seventh Czech-Slovak International Symposium on Graph Theory, Combinatorics, Algorithms and Applications, Košice, Slovakia, July 7–13, 2013. Talk: *Spectral radius of rooted product of graphs*
18. CRM Conference on Applications of Graph Spectra in Computer Science, Barcelona, Spain, July 16–20, 2012. Talk: *Spectral approaches to community detection*
17. SIAM Conference on Applied Linear Algebra, Valencia, Spain, June 18–22, 2012. Talk: *Graph bisection from the principal normalized Laplacian eigenvector*
16. 16th ILAS Conference, Minisymposium on Combinatorial Linear Algebra, Pisa, Italy, June 21–25, 2010. Talk: *Integral, square-integral graphs and perfect state transfer*
15. 6th Slovenian International Conference on Graph Theory, Bled, Slovenia, June 24–30, 2007. Talk: *Minimum spectral radius of graphs with a given maximum clique size*
14. Aveiro Workshop on Graph Spectra, Aveiro, Portugal, April 10–12, 2006. Talk: *Maximum Cut and Spectra of Graphs*
13. Workshop Computers in Scientific Discovery III, Ghent, Belgium, February 6–10, 2006. Poster: *Graph Theory Education with newGRAPH*
12. 2nd Brazillian Symposium on Graphs, Algorithms and Combinatorial Optimization, Angra dos Reis, Brazil, April 27–29, 2005. Talk: *On bags and bugs*

11. Workshop Computers and Discovery II, Montréal, Canada, June 2–5, 2004. Talk: *Using newGRAPH in research and teaching*
10. International Conference on Spectral Graph Theory, Messina, Italia, October 3–7, 2003. Talk: *Computer-Assisted Research in Graph Theory*
9. 18th International Symposium on Mathematical Programming, Copenhagen, Denmark, August 18–22, 2003. Talk: *Computer-Assisted Research in Graph Theory*
8. Graph Invariants in Chemistry, Bielefeld, Germany, April 25–26, 2002. Talk: *On applications of spectral graph theory in chemistry*
7. DIMACS Working Group on Computer-Generated Conjectures from Graph Theoretic and Chemical Databases I, Piscataway, New Jersey, USA, November 10–17, 2001. Talk: *Computer-Aided Research of Integral Graphs*
6. Filomat 2001, Niš, Yugoslavia, August 26–30, 2001. Talk: *Almost cospectrality of the components of NEPS of connected, bipartite graphs*
5. 2nd Euroworkshop on Algebraic Graph Theory, Edinburgh, Scotland, UK, July 9–13, 2001. Talk: *Constructing fullerene graphs from their eigenvalues and angles*
4. Conference on Geometric Combinatorics, Kotor, Yugoslavia, August 28–September 3, 1998. Talk: *Some trees characterized by eigenvalues and angles*
3. Conference of Ph.D. Students in Computer Science, Szeged, Hungary, July 18–22, 1998. Talk: *Constructing graphs with given eigenvalues and angles*
2. Fifth Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications, Prague, Czech Republic, July 7–11, 1998. Talk: *Hosoya polynomial of composite graphs*
1. XXIV Yugoslav Symposium on Operations Research, Bečići, Yugoslavia, October 7–10, 1997. Talk: *Some new recursive algorithms and heuristics for the maximum clique problem*



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Record 1 of 4

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Record 2 of 4

Title: On the chromatic number of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan)

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Record 3 of 4

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Record 4 of 4

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Record 1 of 1

Title: Regular bipartite graphs with three distinct non-negative eigenvalues

Author(s): Koledin, T (Koledin, Tamara); Stanic, Z (Stanic, Zoran)

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Record 1 of 7

Title: On least eigenvalues and least eigenvectors of real symmetric matrices and graphs

Author(s): Xing, RD (Xing, Rundan); Zhou, B (Zhou, Bo)

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Title: Epidemics in networks with nodal self-infection and the epidemic threshold

Author(s): Van Mieghem, P (Van Mieghem, Piet); Cator, E (Cator, Eric)

Source: PHYSICAL REVIEW E Volume: 86 Issue: 1 Article Number: 016116 DOI:

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Record 4 of 7

Title: Bounds for the spectral radius of a graph when nodes are removed

Author(s): Li, C (Li, Cong); Wang, HJ (Wang, Huijuan); Van Mieghem, P (Van Mieghem, Piet)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 1 Pages: 319-323 DOI:

10.1016/j.laa.2012.02.023 Published: JUL 1 2012

Record 5 of 7

Title: Second-order mean-field susceptible-infected-susceptible epidemic threshold

Author(s): Cator, E (Cator, E.); Van Mieghem, P (Van Mieghem, P.)

Source: PHYSICAL REVIEW E Volume: 85 Issue: 5 Article Number: 056111 DOI:

10.1103/PhysRevE.85.056111 Part: 2 Published: MAY 14 2012

Record 6 of 7

Title: A New Network Immunization Strategy Better than the EGP Strategy

Author(s): Niu, CX (Niu Changxi); Li, LM (Li Lemin)

Source: CHINA COMMUNICATIONS Volume: 9 Issue: 5 Pages: 90-99 Published: MAY 2012

Record 7 of 7

Title: The N-intertwined SIS epidemic network model

Author(s): Van Mieghem, P (Van Mieghem, Piet)

Source: COMPUTING Volume: 93 Issue: 2-4 Special Issue: SI Pages: 147-169 DOI:

10.1007/s00607-011-0155-y Published: DEC 2011

Ilic A, 2011, DISCRETE APPL MATH, V159, P779, DOI 10.1016/j.dam.2011.01.013

Record 1 of 7

Title: On the reciprocal degree distance of graphs

Author(s): Hua, HB (Hua, Hongbo); Zhang, SG (Zhang, Shenggui)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 7-8 Pages: 1152-1163 DOI:

10.1016/j.dam.2011.11.032 Published: MAY 2012

Record 2 of 7

Title: ON THE DEGREE DISTANCE OF SOME COMPOSITE GRAPHS

Author(s): Hua, HB (Hua, Hongbo)

Source: BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY Volume: 85 Issue: 1 Pages: 164-171 DOI: 10.1017/S0004972711002711 Published: FEB 2012

Record 3 of 7

Title: GENERALIZED DEGREE DISTANCE OF TREES, UNICYCLIC AND BICYCLIC GRAPHS

Author(s): Hamzeh, A (Hamzeh, Asma); Iranmanesh, A (Iranmanesh, Ali); Hossein-Zadeh, S (Hossein-Zadeh, Samaneh); Diudea, MV (Diudea, Mircea V.)

Source: STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA Volume: 57 Issue: 4 Pages: 73-85 Published: 2012

Record 4 of 7

Title: On the Sum of Powers of Normalized Laplacian Eigenvalues of Graphs

Author(s): Bozkurt, SB (Bozkurt, S. Burcu); Bozkurt, D (Bozkurt, Durmus)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 68 Issue: 3 Pages: 917-930 Published: 2012

Record 5 of 7

Title: Relations between Zagreb Coindices and Some Distance-Based Topological Indices

Author(s): Hua, HB (Hua, Hongbo); Zhang, SG (Zhang, Shenggui)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 68 Issue: 1 Pages: 199-208 Published: 2012

Record 6 of 7

Title: Sharp Upper Bounds for Multiplicative Zagreb Indices

Author(s): Liu, JZ (Liu, Jingzhong); Zhang, QH (Zhang, Qianhong)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 68 Issue: 1 Pages: 231-240 Published: 2012

Record 7 of 7

Title: Ordering Connected Graphs Having Small Degree Distances. II

Author(s): Tomescu, I (Tomescu, Ioan); Kanwal, S (Kanwal, Salma)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 67 Issue: 2 Pages: 425-437 Published: 2012

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Record 1 of 4

Title: GRAPH SPECTRAL TECHNIQUES IN COMPUTER SCIENCES

Author(s): Arsic, B (Arsic, Branko); Cvetkovic, D (Cvetkovic, Dragos); Simic, SK (Simic, Slobodan K.); Skaric, M (Skaric, Milan)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 6 Issue: 1 Pages: 1-30 DOI: 10.2298/AADM111223025A Published: APR 2012

Record 2 of 4

Title: PERFECT STATE TRANSFER ON QUOTIENT GRAPHS

Author(s): Bachman, R (Bachman, Rachel); Predette, E (Predette, Eric); Fuller, J (Fuller, Jessica); Landry, M (Landry, Michael); Opperman, M (Opperman, Michael); Tamon, C (Tamon, Christino); Tollefson, A (Tollefson, Andrew)

Source: QUANTUM INFORMATION & COMPUTATION Volume: 12 Issue: 3-4 Pages: 293-313 Published: MAR 2012

Record 3 of 4

Title: State transfer on graphs

Author(s): Godsil, C (Godsil, Chris)

Source: DISCRETE MATHEMATICS Volume: 312 Issue: 1 Special Issue: SI Pages: 129-147 DOI: 10.1016/j.disc.2011.06.032 Published: JAN 6 2012

Conference Title: Conference on Algebraic Graph Theory

Conference Date: JUN, 2009

Conference Location: Dubrovnik, CROATIA

Conference Host: Inter Univ Ctr

Record 4 of 4

Title: Graph spectra in Computer Science

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Simic, S (Simic, Slobodan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 434 Issue: 6 Pages: 1545-1562 DOI: 10.1016/j.laa.2010.11.035 Published: MAR 15 2011

STEVANOVIC D, 2010, MATCH COMMUN MATH CO, V64

Record 1 of 1

Title: A Unified Approach to Extremal Trees with Respect to Geometric-Arithmetic, Szeged and Edge Szeged Indices

Author(s): Hua, HB (Hua, Hongbo); Zhang, SG (Zhang, Shenggui)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 65 Issue: 3 Pages: 691-704 Published: 2011

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Record 1 of 15

Title: On the maximal distance spectral radius of graphs without a pendent vertex

Author(s): Bose, SS (Bose, Surya Sekhar); Nath, M (Nath, Milan); Paul, S (Paul, Somnath)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 11 Pages: 4260-4278 DOI: 10.1016/j.laa.2013.01.019 Published: JUN 1 2013

Record 2 of 15

Title: On distance spectral radius of graphs

Author(s): Wang, YN (Wang, Yanna); Zhou, B (Zhou, Bo)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 8 Pages: 3490-3503 DOI: 10.1016/j.laa.2012.12.024 Published: APR 15 2013

Record 3 of 15

Title: On the extremal properties of the average eccentricity

Author(s): Ilic, A (Ilic, Aleksandar)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 64 Issue: 9 Pages: 2877-2885 DOI: 10.1016/j.camwa.2012.04.023 Published: NOV 2012

Record 4 of 15

Title: Distance spectral spread of a graph

Author(s): Yu, GL (Yu, Guanglong); Zhang, HL (Zhang, Hailiang); Lin, HQ (Lin, Huiqiu); Wu, YR (Wu, Yarong); Shu, JL (Shu, Jinlong)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 16-17 Pages: 2474-2478 DOI: 10.1016/j.dam.2012.05.015 Published: NOV 2012

Record 5 of 15

Title: On the distance spectral radius of cacti

Author(s): Bose, SS (Bose, Surya Sekhar); Nath, M (Nath, Milan); Paul, S (Paul, Somnath)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 9 Pages: 2128-2141

DOI: 10.1016/j.laa.2012.06.008 Published: NOV 1 2012

Record 6 of 15

Title: On the distance spectral radius of some graphs

Author(s): Zhang, XL (Zhang, Xiaoling)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 7 Pages: 1930-1941

DOI: 10.1016/j.laa.2012.04.036 Published: OCT 1 2012

Record 7 of 15

Title: Distance spectral radius of digraphs with given connectivity

Author(s): Lin, HQ (Lin, Huiqiu); Yang, WH (Yang, Weihua); Zhang, HL (Zhang, Hailiang); Shu, JL (Shu, Jinlong)

Source: DISCRETE MATHEMATICS Volume: 312 Issue: 11 Pages: 1849-1856 DOI:

10.1016/j.disc.2012.02.023 Published: JUN 6 2012

Record 8 of 15

Title: Clique number and distance spectral radii of graphs

Author(s): Zhai, MQ (Zhai, Mingqing); Yu, GL (Yu, Guanglong); Shu, JL (Shu, Jinlong)

Source: ARS COMBINATORIA Volume: 104 Pages: 385-392 Published: APR 2012

Record 9 of 15

Title: On the distance spectral radius of bipartite graphs

Author(s): Nath, M (Nath, Milan); Paul, S (Paul, Somnath)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 5 Pages: 1285-1296

DOI: 10.1016/j.laa.2011.07.031 Published: MAR 1 2012

Record 10 of 15

Title: Some graft transformations and its applications on the distance spectral radius of a graph

Author(s): Yu, GL (Yu, Guanglong); Jia, HC (Jia, Huicai); Zhang, HL (Zhang, Hailiang); Shu, JL (Shu, Jinlong)

Source: APPLIED MATHEMATICS LETTERS Volume: 25 Issue: 3 Pages: 315-319 DOI:

10.1016/j.aml.2011.09.007 Published: MAR 2012

Record 11 of 15

Title: Distance spectral radius of graphs with r pendent vertices

Author(s): Bose, SS (Bose, Surya Sekhar); Nath, M (Nath, Milan); Paul, S (Paul, Somnath)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 11 Pages: 2828-2836

DOI: 10.1016/j.laa.2011.04.041 Published: DEC 1 2011

Record 12 of 15

Title: Some graft transformations and its application on a distance spectrum

Author(s): Yu, GL (Yu, Guanglong); Wu, YR (Wu, Yarong); Zhang, YJ (Zhang, Yajie); Shu, JL (Shu, Jinlong)

Source: DISCRETE MATHEMATICS Volume: 311 Issue: 20 Pages: 2117-2123 DOI:

10.1016/j.disc.2011.05.040 Published: OCT 28 2011

Record 13 of 15

Title: Distance spectra and distance energy of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 5 Pages: 1005-1014

DOI: 10.1016/j.laa.2010.04.034 Published: OCT 15 2010

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Title: Distance spectral radius of trees with given matching number

Author(s): Ilic, A (Ilic, Aleksandar)

Source: DISCRETE APPLIED MATHEMATICS Volume: 158 Issue: 16 Pages: 1799-1806 DOI: 10.1016/j.dam.2010.06.018 Published: AUG 28 2010

Record 15 of 15

Title: On Distance Spectral Radius and Distance Energy of Graphs

Author(s): Zhou, B (Zhou, Bo); Ilic, A (Ilic, Aleksandar)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
 Volume: 64 Issue: 1 Pages: 261-280 Published: 2010

Fowler PW, 2010, MATCH-COMMUN MATH CO, V63, P727

Record 1 of 1

Title: Cubic polyhedral Ramanujan graphs with face size no larger than six

Author(s): Sikiric, MD (Sikiric, Mathieu Dutour); Fowler, PW (Fowler, Patrick W.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 49 Issue: 4 Pages: 843-858 DOI: 10.1007/s10910-010-9782-3 Published: APR 2011

Ilic A, 2010, MATCH-COMMUN MATH CO, V63, P411

Record 1 of 9

Title: ON THE DEGREE DISTANCE OF SOME COMPOSITE GRAPHS

Author(s): Hua, HB (Hua, Hongbo)

Source: BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY Volume: 85 Issue: 1 Pages: 164-171 DOI: 10.1017/S0004972711002711 Published: FEB 2012

Record 2 of 9

Title: On the Sum of Powers of Normalized Laplacian Eigenvalues of Graphs

Author(s): Bozkurt, SB (Bozkurt, S. Burcu); Bozkurt, D (Bozkurt, Durmus)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
 Volume: 68 Issue: 3 Pages: 917-930 Published: 2012

Record 3 of 9

Title: Sharp Upper Bounds for Multiplicative Zagreb Indices

Author(s): Liu, JZ (Liu, Jingzhong); Zhang, QH (Zhang, Qianhong)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
 Volume: 68 Issue: 1 Pages: 231-240 Published: 2012

Record 4 of 9

Title: Ordering Connected Graphs Having Small Degree Distances. II

Author(s): Tomescu, I (Tomescu, Ioan); Kanwal, S (Kanwal, Salma)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
 Volume: 67 Issue: 2 Pages: 425-437 Published: 2012

Record 5 of 9

Title: On the eccentric distance sum of graphs

Author(s): Ilic, A (Ilic, Aleksandar); Yu, GH (Yu, Guihai); Feng, LH (Feng, Lihua)

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS Volume: 381 Issue: 2
 Pages: 590-600 DOI: 10.1016/j.jmaa.2011.02.086 Published: SEP 15 2011

Record 6 of 9

Title: Network Analysis Using a Novel Highly Discriminating Topological Index

Author(s): Diudea, MV (Diudea, Mircea V.); Ilic, A (Ilic, Aleksandar); Varmuza, K (Varmuza, Kurt); Dehmer, M (Dehmer, Matthias)

Source: COMPLEXITY Volume: 16 Issue: 6 Pages: 32-39 DOI: 10.1002/cplx.20363 Published: JUL-AUG 2011

Record 7 of 9

Title: The Maximal Gutman Index of Bicyclic Graphs

Author(s): Feng, LH (Feng, Lihua); Liu, WJ (Liu, Weijun)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 66 Issue: 2 Pages: 699-708 Published: 2011

Record 8 of 9

Title: On the Degree Distance of C4C8 Nanotubes

Author(s): Chen, SB (Chen, Shubo); Liu, WJ (Liu, Weijun)

Source: JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 7 Issue: 6 Pages: 1136-1142 DOI: 10.1166/jctn.2010.1464 Published: JUN 2010

Record 9 of 9

Title: Shell-Polynomials and Cluj-Tehran Index in Tori $T(4,4) S[5,n]$

Author(s): Diudea, MV (Diudea, Mircea V.); Ashrafi, AR (Ashrafi, Ali Reza)

Source: ACTA CHIMICA SLOVENICA Volume: 57 Issue: 3 Pages: 559-564 Published: 2010

Ilic A, 2010, MATCH-COMMUN MATH CO, V63, P91

Record 1 of 11

Title: EDGE-GRAFTING THEOREMS ON PERMANENTS OF THE LAPLACIAN MATRICES OF GRAPHS AND THEIR APPLICATIONS

Author(s): Li, SC (Li, Shuchao); Li, Y (Li, Yan); Zhang, XX (Zhang, Xixi)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 26 Pages: 28-48 Published: JAN 2013

Record 2 of 11

Title: On the second maximal and minimal Wiener index of unicyclic graphs with given girth

Author(s): Feng, LH (Feng, Lihua); Ilic, A (Ilic, Aleksandar); Yu, GH (Yu, Guihai)

Source: ARS COMBINATORIA Volume: 104 Pages: 13-22 Published: APR 2012

Record 3 of 11

Title: The Harary index of trees

Author(s): Ilic, A (Ilic, Aleksandar); Yu, GH (Yu, Guihai); Feng, LH (Feng, Lihua)

Source: UTILITAS MATHEMATICA Volume: 87 Pages: 21-31 Published: MAR 2012

Record 4 of 11

Title: On the Laplacian coefficients of trees with a perfect matching

Author(s): Tan, SW (Tan, Shang-wang); Song, TM (Song, Tian-mei)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 3 Pages: 595-617 DOI: 10.1016/j.laa.2011.07.038 Published: FEB 1 2012

Record 5 of 11

Title: On the Laplacian Coefficients and Laplacian-Like Energy of Unicyclic Graphs with n Vertices and m Pendent Vertices

Author(s): Pai, XY (Pai, Xinying); Liu, SY (Liu, Sanyang)

Source: JOURNAL OF APPLIED MATHEMATICS Article Number: 404067 DOI: 10.1155/2012/404067 Published: 2012

 Record 6 of 11

Title: Laplacian coefficients of trees with a given bipartition

Author(s): Lin, WQ (Lin, Weiqi); Yan, WG (Yan, Weigen)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 1 Pages: 152-162 DOI: 10.1016/j.laa.2011.01.011 Published: JUL 1 2011

Record 7 of 11

Title: Note on the Minimal Wiener Index of Connected Graphs With n Vertices and Radius r

Author(s): You, ZF (You, Zhifu); Liu, BL (Liu, Bolian)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
 Volume: 66 Issue: 1 Pages: 343-344 Published: 2011

Record 8 of 11

Title: Eccentric Connectivity Index of Chemical Trees

Author(s): Ilic, A (Ilic, Aleksandar); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
 Volume: 65 Issue: 3 Pages: 731-744 Published: 2011

Record 9 of 11

Title: Trees with minimal Laplacian coefficients

Author(s): Ilic, A (Ilic, Aleksandar)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 59 Issue: 8 Pages: 2776-2783 DOI: 10.1016/j.camwa.2010.01.047 Published: APR 2010

Record 10 of 11

Title: Laplacian coefficients of trees with given number of leaves or vertices of degree two

Author(s): Ilic, A (Ilic, Aleksandar); Ilic, M (Ilic, Milovan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 11 Pages: 2195-2202
 DOI: 10.1016/j.laa.2009.07.014 Published: NOV 1 2009

Record 11 of 11

Title: On the ordering of trees by the Laplacian coefficients

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 11 Pages: 2203-2212
 DOI: 10.1016/j.laa.2009.07.022 Published: NOV 1 2009

Ilic A, 2010, J MATH CHEM, V47, P305, DOI 10.1007/s10910-009-9570-0

Record 1 of 13

Title: An edge grafting theorem on the Estrada index of graphs and its applications

Author(s): Du, ZB (Du, Zhibin)

Source: DISCRETE APPLIED MATHEMATICS Volume: 161 Issue: 1-2 Pages: 134-139 DOI: 10.1016/j.dam.2012.07.014 Published: JAN 2013

Record 2 of 13

Title: On the extremal properties of the average eccentricity

Author(s): Ilic, A (Ilic, Aleksandar)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 64 Issue: 9 Pages: 2877-2885 DOI: 10.1016/j.camwa.2012.04.023 Published: NOV 2012

Record 3 of 13

Title: The Estrada index of unicyclic graphs

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 9 Pages: 3149-3159

DOI: 10.1016/j.laa.2011.10.020 Published: MAY 1 2012

Record 4 of 13

Title: On maximum Estrada indices of graphs with given parameters

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo); Xing, RD (Xing, Rundan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 9 Pages: 3767-3772

DOI: 10.1016/j.laa.2011.12.031 Published: MAY 1 2012

Record 5 of 13

Title: More on Laplacian estrada indices of trees

Author(s): Du, ZB (Du, Zhibin)

Source: FILOMAT Volume: 26 Issue: 1 Pages: 197-207 Published: JAN 2012

Record 6 of 13

Title: The Estrada index of trees

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 10 Special Issue: SI
Pages: 2462-2467 DOI: 10.1016/j.laa.2011.01.041 Published: NOV 15 2011

Record 7 of 13

Title: New upper bounds for Estrada index of bipartite graphs

Author(s): Fath-Tabar, GH (Fath-Tabar, G. H.); Ashrafi, AR (Ashrafi, A. R.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 10 Special Issue: SI

Pages: 2607-2611 DOI: 10.1016/j.laa.2011.01.034 Published: NOV 15 2011

Record 8 of 13

Title: On the Estrada and Laplacian Estrada indices of graphs

Author(s): Du, ZB (Du, Zhibin); Liu, ZZ (Liu, Zhongzhu)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 8 Pages: 2065-2076

DOI: 10.1016/j.laa.2011.03.057 Published: OCT 15 2011

Record 9 of 13

Title: ON THE ESTRADA INDEX OF GRAPHS WITH GIVEN NUMBER OF CUT EDGES

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 22 Pages: 586-592 Published:
JUN 2011

Record 10 of 13

Title: On the number of P-vertices of some graphs

Author(s): Andelic, M (Andelic, Milica); da Fonseca, CM (da Fonseca, C. M.); Mamede, R (Mamede, Ricardo)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 434 Issue: 2 Pages: 514-525 DOI:
10.1016/j.laa.2010.09.017 Published: JAN 15 2011

Record 11 of 13

Title: On Estrada index of trees

Author(s): Zhang, JB (Zhang, Jianbin); Zhou, B (Zhou, Bo); Li, JP (Li, Jianping)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 434 Issue: 1 Pages: 215-223 DOI:
10.1016/j.laa.2010.08.025 Published: JAN 1 2011

Record 12 of 13

Title: The Minimal Estrada Index of Trees with Two Maximum Degree Vertices

Author(s): Li, J (Li, Jing); Li, XL (Li, Xueliang); Wang, LS (Wang, Lusheng)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 3 Pages: 799-810 Published: 2010

Record 13 of 13

Title: LAPLACIAN ESTRADA INDEX OF TREES

Author(s): Ilic, A (Ilic, Aleksandar); Zhou, B (Zhou, Bo)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 63 Issue: 3 Pages: 769-776 Published: 2010

Stevanovic D., 2010, DISTANCE MOL GRAPHS, V12, P139

Record 1 of 1

Title: Distance spectral radius of digraphs with given connectivity

Author(s): Lin, HQ (Lin, Huiqiu); Yang, WH (Yang, Weihua); Zhang, HL (Zhang, Hailiang); Shu, JL (Shu, Jinlong)

Source: DISCRETE MATHEMATICS Volume: 312 Issue: 11 Pages: 1849-1856 DOI:

10.1016/j.disc.2012.02.023 Published: JUN 6 2012

Ilic A., 2010, DISCRETE APPL MATH, V158, P681

Record 1 of 1

Title: Some Formulae for the Zagreb Indices of Graphs

Author(s): Cangul, IN (Cangul, Ismail Naci); Yurttas, A (Yurttas, Aysun); Togan, M (Togan, Muge); Cevik, AS (Cevik, Ahmet Sinan)

Editor(s): Simos TE; Psihoyios G; Tsitouras C; Anastassi Z

Source: NUMERICAL ANALYSIS AND APPLIED MATHEMATICS (ICNAAM 2012), VOLS A AND B

Book Series: AIP Conference Proceedings Volume: 1479 Pages: 365-367 DOI: 10.1063/1.4756139

Published: 2012

Conference Title: International Conference of Numerical Analysis and Applied Mathematics (ICNAAM)

Conference Date: SEP 19-25, 2012

Conference Location: Kos, GREECE

Stevanovic D, 2009, FILOMAT, V23, P243, DOI 10.2298/FIL0903243S

Record 1 of 1

Title: A Survey on the Laplacian-Energy-Like Invariant

Author(s): Liu, BL (Liu, Bolian); Huang, YF (Huang, Yufei); You, ZF (You, Zhifu)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 66 Issue: 3 Pages: 713-730 Published: 2011

Stevanovic D, 2009, ACTA CHIM SLOV, V56, P410**STEVANOVIC D, ACTA CHIM S IN PRESS**

Record 1 of 11

Title: ON SUM OF POWERS OF THE SIGNLESS LAPLACIAN EIGENVALUES OF GRAPHS

Author(s): Liu, MH (Liu, Muhuo); Liu, BL (Liu, Bolian)

Source: HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS Volume: 41 Issue: 4

Pages: 527-536 Published: AUG 2012

Record 2 of 11

Title: On Laplacian-energy-like invariant of a graph

Author(s): Wang, WZ (Wang, Weizhong); Luo, YF (Luo, Yanfeng)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 2 Pages: 713-721 DOI: 10.1016/j.laa.2012.03.004 Published: JUL 15 2012

Record 3 of 11

Title: Estimating the Laplacian Energy-Like Molecular Structure Descriptor

Author(s): Gutman, I (Gutman, Ivan)

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 67 Issue: 6-7 Pages: 403-406 DOI: 10.5560/ZNA.2012-0027 Published: JUN-JUL 2012

Record 4 of 11

Title: The Laplacian-energy like of graphs

Author(s): Zhu, BX (Zhu, Bao-Xuan)

Source: APPLIED MATHEMATICS LETTERS Volume: 24 Issue: 9 Pages: 1604-1607 DOI: 10.1016/j.aml.2011.04.010 Published: SEP 2011

Record 5 of 11

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Author(s): Liu, BL (Liu, Bolian); Huang, YF (Huang, Yufei); You, ZF (You, Zhifu)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 66 Issue: 3 Pages: 713-730 Published: 2011

Record 6 of 11

Title: On the Laplacian coefficients of bicyclic graphs

Author(s): He, CX (He, Chang-Xiang); Shan, HY (Shan, Hai-Ying)

Source: DISCRETE MATHEMATICS Volume: 310 Issue: 23 Pages: 3404-3412 DOI: 10.1016/j.disc.2010.08.012 Published: DEC 6 2010

Record 7 of 11

Title: Trees with minimal Laplacian coefficients

Author(s): Ilic, A (Ilic, Aleksandar)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 59 Issue: 8 Pages: 2776-2783 DOI: 10.1016/j.camwa.2010.01.047 Published: APR 2010

Record 8 of 11

Title: Shell-Polynomials and Cluj-Tehran Index in Tori $T(4,4) S[5,n]$

Author(s): Diudea, MV (Diudea, Mircea V.); Ashrafi, AR (Ashrafi, Ali Reza)

Source: ACTA CHIMICA SLOVENICA Volume: 57 Issue: 3 Pages: 559-564 Published: 2010

Record 9 of 11

Title: CORRELATING STUDY OF NEW MOLECULAR GRAPH DESCRIPTORS

Author(s): Pop, ML (Pop, Monica L.); Diudea, MV (Diudea, Mircea V.); Ilic, A (Ilic, Aleksandar)

Source: STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA Volume: 55 Issue: 4 Pages: 19-25 Published: 2010

Record 10 of 11

Title: Laplacian coefficients of trees with given number of leaves or vertices of degree two

Author(s): Ilic, A (Ilic, Aleksandar); Ilic, M (Ilic, Milovan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 11 Pages: 2195-2202 DOI: 10.1016/j.laa.2009.07.014 Published: NOV 1 2009

Record 11 of 11

Title: On Laplacian Like Energy of Trees

Author(s): Ilic, A (Ilic, Aleksandar); Krtinic, D (Krtinic, Djordje); Ilic, M (Ilic, Milovan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 111-122 Published: 2010

STEVANOVIC D, 2009, NOUVEL SERIE, V85, P47

Record 1 of 1

Title: Dinormal graphs

Author(s): Klein, DJ (Klein, Douglas J.); Rosenfeld, VR (Rosenfeld, Vladimir R.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 49 Issue: 7 Pages: 1256-1262

DOI: 10.1007/s10910-011-9812-9 Published: AUG 2011

Stevanovic D, 2009, LINEAR ALGEBRA APPL, V430, P2290, DOI 10.1016/j.laa.2008.12.006

Record 1 of 24

Title: EDGE-GRAFTING THEOREMS ON PERMANENTS OF THE LAPLACIAN MATRICES OF GRAPHS AND THEIR APPLICATIONS

Author(s): Li, SC (Li, Shuchao); Li, Y (Li, Yan); Zhang, XX (Zhang, Xixi)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 26 Pages: 28-48 Published: JAN 2013

Record 2 of 24

Title: Some results on signless Laplacian coefficients of graphs

Author(s): Mirzakhah, M (Mirzakhah, Maryam); Kiani, D (Kiani, Dariush)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 9 Pages: 2243-2251

DOI: 10.1016/j.laa.2012.05.022 Published: NOV 1 2012

Record 3 of 24

Title: On Laplacian-energy-like invariant of a graph

Author(s): Wang, WZ (Wang, Weizhong); Luo, YF (Luo, Yanfeng)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 2 Pages: 713-721 DOI:

10.1016/j.laa.2012.03.004 Published: JUL 15 2012

Record 4 of 24

Title: Comparison between Kirchhoff index and the Laplacian-energy-like invariant

Author(s): Das, KC (Das, Kinkar Ch.); Xu, KX (Xu, Kexiang); Gutman, I (Gutman, Ivan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 9 Pages: 3661-3671

DOI: 10.1016/j.laa.2012.01.002 Published: MAY 1 2012

Record 5 of 24

Title: The coefficients of Laplacian characteristic polynomials of graphs

Author(s): Qiu, W (Qiu, Wei); Yan, WG (Yan, Weigen)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 7 Pages: 2474-2479

DOI: 10.1016/j.laa.2011.12.020 Published: APR 1 2012

Record 6 of 24

Title: On the Laplacian Coefficients and Laplacian-Like Energy of Unicyclic Graphs with n Vertices and m Pendent Vertices

Author(s): Pai, XY (Pai, Xinying); Liu, SY (Liu, Sanyang)

Source: JOURNAL OF APPLIED MATHEMATICS Article Number: 404067 DOI:

10.1155/2012/404067 Published: 2012

Record 7 of 24

Title: On the Laplacian coefficients and Laplacian-like energy of bicyclic graphs

Author(s): Tan, SW (Tan, Shang-Wang)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 60 Issue: 9 Pages: 1071-1092 DOI: 10.1080/03081087.2011.643473 Published: 2012

Record 8 of 24

Title: A Unified Approach to Extremal Multiplicative Zagreb Indices for Trees, Unicyclic and Bicyclic Graphs

Author(s): Xu, KX (Xu, Kexiang); Hua, HB (Hua, Hongbo)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 68 Issue: 1 Pages: 241-256 Published: 2012

Record 9 of 24

Title: Trees, Unicyclic, and Bicyclic Graphs Extremal with Respect to Multiplicative Sum Zagreb Index

Author(s): Xu, KX (Xu, Kexiang); Das, KC (Das, Kinkar Ch)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 68 Issue: 1 Pages: 257-272 Published: 2012

Record 10 of 24

Title: Ordering of trees with fixed matching number by the Laplacian coefficients

Author(s): He, SS (He, Shushan); Li, SC (Li, Shuchao)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 5 Pages: 1171-1186 DOI: 10.1016/j.laa.2011.02.050 Published: SEP 1 2011

Record 11 of 24

Title: The Laplacian-energy like of graphs

Author(s): Zhu, BX (Zhu, Bao-Xuan)

Source: APPLIED MATHEMATICS LETTERS Volume: 24 Issue: 9 Pages: 1604-1607 DOI: 10.1016/j.aml.2011.04.010 Published: SEP 2011

Record 12 of 24

Title: Laplacian coefficients of trees with a given bipartition

Author(s): Lin, WQ (Lin, Weiqi); Yan, WG (Yan, Weigen)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 1 Pages: 152-162 DOI: 10.1016/j.laa.2011.01.011 Published: JUL 1 2011

Record 13 of 24

Title: On the Laplacian coefficients of unicyclic graphs with prescribed matching number

Author(s): Tan, SW (Tan, Shang-wang)

Source: DISCRETE MATHEMATICS Volume: 311 Issue: 8-9 Pages: 582-594 DOI: 10.1016/j.disc.2010.12.022 Published: MAY 6 2011

Record 14 of 24

Title: A Survey on the Laplacian-Energy-Like Invariant

Author(s): Liu, BL (Liu, Bolian); Huang, YF (Huang, Yufei); You, ZF (You, Zhifu)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 66 Issue: 3 Pages: 713-730 Published: 2011

Record 15 of 24

Title: On the Laplacian coefficients of bicyclic graphs

Author(s): He, CX (He, Chang-Xiang); Shan, HY (Shan, Hai-Ying)

Source: DISCRETE MATHEMATICS Volume: 310 Issue: 23 Pages: 3404-3412 DOI: 10.1016/j.disc.2010.08.012 Published: DEC 6 2010

Record 16 of 24

Title: The Laplacian spectral radius for unicyclic graphs with given independence number

Author(s): Feng, LH (Feng, Lihua); Yu, GH (Yu, Guihai); Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 5 Pages: 934-944 DOI: 10.1016/j.laa.2010.04.023 Published: OCT 15 2010

Record 17 of 24

Title: Trees with minimal Laplacian coefficients

Author(s): Ilic, A (Ilic, Aleksandar)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 59 Issue: 8 Pages: 2776-2783 DOI: 10.1016/j.camwa.2010.01.047 Published: APR 2010

Record 18 of 24

Title: Untitled

Author(s): Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 1 Pages: 3-6 Published: 2010

Record 19 of 24

Title: The Laplacian-energy Like Invariant is an Energy Like Invariant

Author(s): Gutman, I (Gutman, Ivan); Zhou, B (Zhou, Bo); Furtula, B (Furtula, Boris)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 1 Pages: 85-96 Published: 2010

Record 20 of 24

Title: On Laplacian Like Energy of Trees

Author(s): Ilic, A (Ilic, Aleksandar); Krtinic, D (Krtinic, Djordje); Ilic, M (Ilic, Milovan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 1 Pages: 111-122 Published: 2010

Record 21 of 24

Title: Ordering trees by the Laplacian coefficients

Author(s): Zhang, XD (Zhang, Xiao-Dong); Lv, XP (Lv, Xia-Ping); Chen, YH (Chen, Ya-Hong)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 12 Pages: 2414-2424 DOI: 10.1016/j.laa.2009.04.018 Published: DEC 1 2009

Record 22 of 24

Title: Laplacian coefficients of trees with given number of leaves or vertices of degree two

Author(s): Ilic, A (Ilic, Aleksandar); Ilic, M (Ilic, Milovan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 11 Pages: 2195-2202 DOI: 10.1016/j.laa.2009.07.014 Published: NOV 1 2009

Record 23 of 24

Title: On the ordering of trees by the Laplacian coefficients

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 11 Pages: 2203-2212 DOI: 10.1016/j.laa.2009.07.022 Published: NOV 1 2009

Record 24 of 24

Title: On incidence energy of a graph

Author(s): Gutman, I (Gutman, Ivan); Kiani, D (Kiani, Dariush); Mirzakhah, M (Mirzakhah, Maryam); Zhou, B (Zhou, Bo)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 8 Pages: 1223-1233 DOI: 10.1016/j.laa.2009.04.019 Published: SEP 1 2009

Stevanovic D, 2009, EUR J COMBIN, V30, P957, DOI 10.1016/j.ejc.2008.07.021
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Record 1 of 2

Title: Star complements in regular graphs: Old and new results
 Author(s): Rowlinson, P (Rowlinson, Peter); Tayfeh-Rezaie, B (Tayfeh-Rezaie, Behruz)
 Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI
 Pages: 2230-2242 DOI: 10.1016/j.laa.2009.04.022 Published: APR 15 2010
 Conference Title: Workshop on Spectral Graph Theory
 Conference Date: DEC 01-04, 2008
 Conference Location: Rio de Janeiro, BRAZIL
 Conference Host: Mil Inst Engn

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Title: AN EXAMPLE OF USING STAR COMPLEMENTS IN CLASSIFYING STRONGLY REGULAR GRAPHS
 Author(s): Milosevic, M (Milosevic, Marko)
 Source: FILOMAT Volume: 22 Issue: 2 Pages: 53-57 Published: OCT 2008

Basic M, 2009, APPL MATH LETT, V22, P1117, DOI 10.1016/j.aml.2008.11.005

Record 1 of 22

Title: Characterization of quantum circulant networks having perfect state transfer
 Author(s): Basic, M (Basic, Milan)
 Source: QUANTUM INFORMATION PROCESSING Volume: 12 Issue: 1 Pages: 345-364 DOI: 10.1007/s11128-012-0381-z Published: JAN 2013

Record 2 of 22

Title: CONVOLUTIONS OF RAMANUJAN SUMS AND INTEGRAL CIRCULANT GRAPHS
 Author(s): Le, TA (Le, T. A.); Sander, JW (Sander, J. W.)
 Source: INTERNATIONAL JOURNAL OF NUMBER THEORY Volume: 8 Issue: 7 Pages: 1777-1788
 DOI: 10.1142/S1793042112501023 Published: NOV 2012

Record 3 of 22

Title: The maximal energy of classes of integral circulant graphs
 Author(s): Sander, JW (Sander, J. W.); Sander, T (Sander, T.)
 Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 13-14 Pages: 2015-2029 DOI: 10.1016/j.dam.2012.04.017 Published: SEP 2012

Record 4 of 22

Title: GRAPH SPECTRAL TECHNIQUES IN COMPUTER SCIENCES
 Author(s): Arsic, B (Arsic, Branko); Cvetkovic, D (Cvetkovic, Dragos); Simic, SK (Simic, Slobodan K.); Skaric, M (Skaric, Milan)
 Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 6 Issue: 1 Pages: 1-30 DOI: 10.2298/AADM111223025A Published: APR 2012

Record 5 of 22

Title: State transfer on graphs
 Author(s): Godsil, C (Godsil, Chris)
 Source: DISCRETE MATHEMATICS Volume: 312 Issue: 1 Special Issue: SI Pages: 129-147 DOI: 10.1016/j.disc.2011.06.032 Published: JAN 6 2012
 Conference Title: Conference on Algebraic Graph Theory
 Conference Date: JUN, 2009
 Conference Location: Dubrovnik, CROATIA
 Conference Host: Inter Univ Ctr

Record 6 of 22

Title: New results on the energy of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan)

Source: APPLIED MATHEMATICS AND COMPUTATION Volume: 218 Issue: 7 Pages: 3470-3482

DOI: 10.1016/j.amc.2011.08.094 Published: DEC 1 2011

Record 7 of 22

Title: Some results for the periodicity and perfect state transfer

Author(s): Zhou, J (Zhou, Jiang); Bu, CJ (Bu, Changjiang); Shen, JH (Shen, Jihong)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 18 Issue: 1 Article Number: P184

Published: SEP 20 2011

Record 8 of 22

Title: Integral Cayley graphs defined by greatest common divisors

Author(s): Klotz, W (Klotz, Walter); Sander, T (Sander, Torsten)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 18 Issue: 1 Article Number: P94

Published: APR 21 2011

Record 9 of 22

Title: On the automorphism group of integral circulant graphs

Author(s): Basic, M (Basic, Milan); Ilic, A (Ilic, Aleksandar)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 18 Issue: 1 Article Number: P68

Published: MAR 31 2011

Record 10 of 22

Title: Graph spectra in Computer Science

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Simic, S (Simic, Slobodan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 434 Issue: 6 Pages: 1545-1562

DOI: 10.1016/j.laa.2010.11.035 Published: MAR 15 2011

Record 11 of 22

Title: Perfect State Transfer in Quantum Walks on Graphs

Author(s): Kendon, VM (Kendon, Vivien M.); Tamon, C (Tamon, Christina)

Source: JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 8 Issue:

3 Pages: 422-433 DOI: 10.1166/jctn.2011.1706 Published: MAR 2011

Record 12 of 22

Title: Further results on the perfect state transfer in integral circulant graphs

Author(s): Petkovic, MD (Petkovic, Marko D.); Basic, M (Basic, Milan)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 61 Issue: 2 Pages: 300-

312 DOI: 10.1016/j.camwa.2010.11.005 Published: JAN 2011

Record 13 of 22

Title: Graphs for small multiprocessor interconnection networks

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Davidovic, T (Davidovic, Tatjana); Ilic, A (Ilic,

Aleksandar); Simic, SK (Simic, Slobodan K.)

Source: APPLIED MATHEMATICS AND COMPUTATION Volume: 217 Issue: 6 Pages: 2468-2480

DOI: 10.1016/j.amc.2010.07.058 Published: NOV 15 2010

Record 14 of 22

Title: Distance spectra and distance energy of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 5 Pages: 1005-1014

DOI: 10.1016/j.laa.2010.04.034 Published: OCT 15 2010

Record 15 of 22

Title: On the chromatic number of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 60 Issue: 1 Pages: 144-150 DOI: 10.1016/j.camwa.2010.04.041 Published: JUL 2010

Record 16 of 22

Title: Perfect state transfer in integral circulant graphs of non-square-free order

Author(s): Basic, M (Basic, Milan); Petkovic, MD (Petkovic, Marko D.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 1 Pages: 149-163 DOI: 10.1016/j.laa.2010.01.042 Published: JUN 15 2010

Record 17 of 22

Title: On the possible orders of a basis for a finite cyclic group

Author(s): Dukes, P (Dukes, Peter); Hegarty, P (Hegarty, Peter); Herke, S (Herke, Sarada)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 17 Issue: 1 Article Number: R79
Published: MAY 25 2010-----
Record 18 of 22

Title: PERFECT STATE TRANSFER, INTEGRAL CIRCULANTS, AND JOIN OF GRAPHS

Author(s): Angeles-Canul, RJ (Angeles-Canul, Ricardo J.); Norton, RM (Norton, Rachael M.);

Opperman, MC (Opperman, Michael C.); Paribello, CC (Paribello, Christopher C.); Russell, MC

(Russell, Matthew C.); Tamon, C (Tamon, Christino)

Source: QUANTUM INFORMATION & COMPUTATION Volume: 10 Issue: 3-4 Pages: 325-342
Published: MAR 2010-----
Record 19 of 22

Title: Triply Equienergetic Graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
Volume: 64 Issue: 1 Pages: 189-200 Published: 2010-----
Record 20 of 22

Title: The energy of unitary cayley graphs

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 10 Pages: 1881-1889
DOI: 10.1016/j.laa.2009.06.025 Published: OCT 15 2009-----
Record 21 of 22

Title: Some classes of integral circulant graphs either allowing or not allowing perfect state transfer

Author(s): Basic, M (Basic, Milan); Petkovic, MD (Petkovic, Marko D.)

Source: APPLIED MATHEMATICS LETTERS Volume: 22 Issue: 10 Pages: 1609-1615 DOI:
10.1016/j.aml.2009.04.007 Published: OCT 2009-----
Record 22 of 22

Title: On the clique number of integral circulant graphs

Author(s): Basic, M (Basic, Milan); Ilic, A (Ilic, Aleksandar)

Source: APPLIED MATHEMATICS LETTERS Volume: 22 Issue: 9 Pages: 1406-1411 DOI:
10.1016/j.aml.2008.12.004 Published: SEP 2009

Stevanovic D, 2009, APPL MATH LETT, V22, P1136, DOI 10.1016/j.aml.2008.11.007

Record 1 of 8

Title: Distance spectral spread of a graph

Author(s): Yu, GL (Yu, Guanglong); Zhang, HL (Zhang, Hailiang); Lin, HQ (Lin, Huiqiu); Wu, YR (Wu, Yarong); Shu, JL (Shu, Jinlong)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 16-17 Pages: 2474-2478 DOI: 10.1016/j.dam.2012.05.015 Published: NOV 2012

Record 2 of 8

Title: Distance spectral radius of graphs with r pendent vertices

Author(s): Bose, SS (Bose, Surya Sekhar); Nath, M (Nath, Milan); Paul, S (Paul, Somnath)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 11 Pages: 2828-2836 DOI: 10.1016/j.laa.2011.04.041 Published: DEC 1 2011

Record 3 of 8

Title: Distance spectra and distance energy of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 5 Pages: 1005-1014 DOI: 10.1016/j.laa.2010.04.034 Published: OCT 15 2010

Record 4 of 8

Title: Distance spectral radius of trees with given matching number

Author(s): Ilic, A (Ilic, Aleksandar)

Source: DISCRETE APPLIED MATHEMATICS Volume: 158 Issue: 16 Pages: 1799-1806 DOI: 10.1016/j.dam.2010.06.018 Published: AUG 28 2010

Record 5 of 8

Title: Untitled

Author(s): Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 1 Pages: 3-6 Published: 2010

Record 6 of 8

Title: Triply Equienergetic Graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 1 Pages: 189-200 Published: 2010

Record 7 of 8

Title: On Distance Spectral Radius and Distance Energy of Graphs

Author(s): Zhou, B (Zhou, Bo); Ilic, A (Ilic, Aleksandar)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 1 Pages: 261-280 Published: 2010

Record 8 of 8

Title: Distance spectrum of graph compositions

Author(s): Indulal, G (Indulal, Gopalapillai)

Source: ARS MATHEMATICA CONTEMPORANEA Volume: 2 Issue: 1 Pages: 93-100 Published: SPR-SUM 2009

Ilic A, 2009, MATCH-COMMUN MATH CO, V62, P681

Record 1 of 22

Title: Extremal Properties of the Zagreb Eccentricity Indices

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: CROATICA CHEMICA ACTA Volume: 85 Issue: 3 Pages: 359-362 DOI: 10.5562/cca2020

Published: OCT 2012

Record 2 of 22

Title: The Modified Zagreb Indices of Nanotubes and Dendrimer Nanostars

Author(s): Hao, JX (Hao, Jianxiu)

Source: JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 9 Issue:

5 Pages: 727-730 DOI: 10.1166/jctn.2012.2086 Published: MAY 2012

Record 3 of 22

Title: On reformulated Zagreb indices

Author(s): Ilic, A (Ilic, Aleksandar); Zhou, B (Zhou, Bo)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 3 Pages: 204-209 DOI:

10.1016/j.dam.2011.09.021 Published: FEB 2012

Record 4 of 22

Title: Some Connectivity Indices and Zagreb Index of Polyhex Nanotubes

Author(s): Farahani, MR (Farahani, Mohammad Reza)

Source: ACTA CHIMICA SLOVENICA Volume: 59 Issue: 4 Pages: 779-783 Published: 2012

Record 5 of 22

Title: Novel Degree-based Molecular Descriptors with Increased Discriminating Power

Author(s): Doslic, T (Doslic, Tomislav); Reti, T (Reti, Tamas)

Source: ACTA POLYTECHNICA HUNGARICA Volume: 9 Issue: 4 Pages: 17-30 Published: 2012

Record 6 of 22

Title: On the Relationships between the First and Second Zagreb Indices

Author(s): Reti, T (Reti, Tamas)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 68 Issue: 1 Pages: 169-188 Published: 2012

Record 7 of 22

Title: On the Zagreb indices equality

Author(s): Abdo, H (Abdo, Hosam); Dimitrov, D (Dimitrov, Darko); Gutman, I (Gutman, Ivan)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 1-2 Pages: 1-8 DOI:

10.1016/j.dam.2011.10.003 Published: JAN 2012

Record 8 of 22

Title: On a Relation Between the Zagreb Indices

Author(s): Stevanovic, S (Stevanovic, Sanja)

Source: CROATICA CHEMICA ACTA Volume: 84 Issue: 1 Pages: 17-19 DOI: 10.5562/cca1579

Published: MAY 2011

Record 9 of 22

Title: On the Zagreb index inequality of graphs with prescribed vertex degrees

Author(s): Andova, V (Andova, Vesna); Bogoev, S (Bogoev, Saso); Dimitrov, D (Dimitrov, Darko);

Pilipczuk, M (Pilipczuk, Marcin); Skrekovski, R (Skrekovski, Riste)

Source: DISCRETE APPLIED MATHEMATICS Volume: 159 Issue: 8 Pages: 852-858 DOI:

10.1016/j.dam.2011.01.002 Published: APR 28 2011

Record 10 of 22

Title: Theorems about Zagreb Indices and Modified Zagreb Indices

Author(s): Hao, JX (Hao, Jianxiu)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 65 Issue: 3 Pages: 659-670 Published: 2011

Record 11 of 22

Title: Comparing Variable Zagreb Indices of Graphs

Author(s): Liu, BL (Liu, Bolian); Zhang, M (Zhang, Meng); Huang, YF (Huang, Yufei)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 65 Issue: 3 Pages: 671-684 Published: 2011

Record 12 of 22

Title: Some Bounds on $GA(1)$ Index of Graphs

Author(s): Mogharrab, M (Mogharrab, M.); Fath-Tabar, GH (Fath-Tabar, G. H.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 65 Issue: 1 Pages: 33-38 Published: 2011

Record 13 of 22

Title: Some Observations on Comparing Zagreb Indices

Author(s): Vukicevic, D (Vukicevic, Damir); Gutman, I (Gutman, Ivan); Furtula, B (Furtula, Boris); Andova, V (Andova, Vesna); Dimitrov, D (Dimitrov, Darko)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 66 Issue: 2 Pages: 627-645 Published: 2011

Record 14 of 22

Title: A Survey on Comparing Zagreb Indices

Author(s): Liu, BL (Liu, Bolian); You, ZF (You, Zhifu)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 65 Issue: 3 Pages: 581-593 Published: 2011

Record 15 of 22

Title: Graph Classes (Dis)satisfying the Zagreb Indices Inequality

Author(s): Andova, V (Andova, Vesna); Cohen, N (Cohen, Nathann); Skrekovski, R (Skrekovski, Riste)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 65 Issue: 3 Pages: 647-658 Published: 2011

Record 16 of 22

Title: Note on PI and Szeged indices

Author(s): Ilic, A (Ilic, Aleksandar)

Source: MATHEMATICAL AND COMPUTER MODELLING Volume: 52 Issue: 9-10 Pages: 1570-1576 DOI: 10.1016/j.mcm.2010.06.022 Published: NOV 2010

Record 17 of 22

Title: Zagreb, Harary and hyper-Wiener indices of graphs with a given matching number

Author(s): Feng, LH (Feng, Lihua); Ilic, A (Ilic, Aleksandar)

Source: APPLIED MATHEMATICS LETTERS Volume: 23 Issue: 8 Pages: 943-948 DOI: 10.1016/j.aml.2010.04.017 Published: AUG 2010

Record 18 of 22

Title: Note on the Comparison of the First and Second Normalized Zagreb Eccentricity Indices

Author(s): Vukicevic, D (Vukicevic, Damir); Graovac, A (Graovac, Ante)

Source: ACTA CHIMICA SLOVENICA Volume: 57 Issue: 3 Pages: 524-528 Published: 2010

Record 19 of 22

Title: A Simple Approach to Order the First Zagreb Indices of Connected Graphs

Author(s): Liu, MH (Liu, Muhuo)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 63 Issue: 2 Pages: 425-432 Published: 2010

Record 20 of 22

Title: On Comparing Zagreb Indices of Graphs

Author(s): Das, KC (Das, Kinkar Ch.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 63 Issue: 2 Pages: 433-440 Published: 2010

Record 21 of 22

Title: Comparing Zagreb Indices of Cyclic Graphs

Author(s): Caporossi, G (Caporossi, Gilles); Hansen, P (Hansen, Pierre); Vukicevic, D (Vukicevic, Damir)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 63 Issue: 2 Pages: 441-451 Published: 2010

Record 22 of 22

Title: EXTREMAL PROPERTIES OF ZAGREB COINDICES AND DEGREE DISTANCE OF GRAPHS

Author(s): Hossein-Zadeh, S (Hossein-Zadeh, S.); Hamzeh, A (Hamzeh, A.); Ashrafi, AR (Ashrafi, A. R.)

Source: MISKOLC MATHEMATICAL NOTES Volume: 11 Issue: 2 Pages: 129-137 Published: 2010

Stevanovic D, 2009, MATCH-COMMUN MATH CO, V61, P463

Record 1 of 2

Title: The Laplacian-energy Like Invariant is an Energy Like Invariant

Author(s): Gutman, I (Gutman, Ivan); Zhou, B (Zhou, Bo); Furtula, B (Furtula, Boris)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 85-96 Published: 2010

Record 2 of 2

Title: Triply Equienergetic Graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 189-200 Published: 2010

Stankovic I, 2009, MATCH-COMMUN MATH CO, V61, P443

Record 1 of 3

Title: New results on the energy of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan)

Source: APPLIED MATHEMATICS AND COMPUTATION Volume: 218 Issue: 7 Pages: 3470-3482

DOI: 10.1016/j.amc.2011.08.094 Published: DEC 1 2011

Record 2 of 3

Title: The energy of a type of lattice

Author(s): Ye, LZ (Ye, Luzhen)

Source: APPLIED MATHEMATICS LETTERS Volume: 24 Issue: 2 Pages: 145-148 DOI:

10.1016/j.aml.2010.08.034 Published: FEB 2011

Record 3 of 3

Title: Triply Equienergetic Graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 189-200 Published: 2010

Stevanovic D, 2009, MATCH-COMMUN MATH CO, V61, P407

Record 1 of 20

Title: On Laplacian-energy-like invariant of a graph

Author(s): Wang, WZ (Wang, Weizhong); Luo, YF (Luo, Yanfeng)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 2 Pages: 713-721 DOI:

10.1016/j.laa.2012.03.004 Published: JUL 15 2012

Record 2 of 20

Title: The coefficients of Laplacian characteristic polynomials of graphs

Author(s): Qiu, W (Qiu, Wei); Yan, WG (Yan, Weigen)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 7 Pages: 2474-2479

DOI: 10.1016/j.laa.2011.12.020 Published: APR 1 2012

Record 3 of 20

Title: On the Laplacian coefficients of trees with a perfect matching

Author(s): Tan, SW (Tan, Shang-wang); Song, TM (Song, Tian-mei)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 3 Pages: 595-617 DOI:

10.1016/j.laa.2011.07.038 Published: FEB 1 2012

Record 4 of 20

Title: New Results on the Incidence Energy of Graphs

Author(s): Zhang, JB (Zhang, Jianbin); Li, JP (Li, Jianping)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 68 Issue: 3 Pages: 777-803 Published: 2012

Record 5 of 20Title: On the Laplacian Coefficients and Laplacian-Like Energy of Unicyclic Graphs with n Vertices and m Pendent Vertices

Author(s): Pai, XY (Pai, Xinying); Liu, SY (Liu, Sanyang)

Source: JOURNAL OF APPLIED MATHEMATICS Article Number: 404067 DOI:

10.1155/2012/404067 Published: 2012

Record 6 of 20

Title: On the Laplacian coefficients and Laplacian-like energy of bicyclic graphs

Author(s): Tan, SW (Tan, Shang-Wang)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 60 Issue: 9 Pages: 1071-1092 DOI:

10.1080/03081087.2011.643473 Published: 2012

Record 7 of 20

Title: Ordering of trees with fixed matching number by the Laplacian coefficients

Author(s): He, SS (He, Shushan); Li, SC (Li, Shuchao)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 5 Pages: 1171-1186

DOI: 10.1016/j.laa.2011.02.050 Published: SEP 1 2011

Record 8 of 20

Title: The Laplacian-energy like of graphs

Author(s): Zhu, BX (Zhu, Bao-Xuan)

Source: APPLIED MATHEMATICS LETTERS Volume: 24 Issue: 9 Pages: 1604-1607 DOI: 10.1016/j.aml.2011.04.010 Published: SEP 2011

Record 9 of 20

Title: Laplacian coefficients of trees with a given bipartition

Author(s): Lin, WQ (Lin, Weiqi); Yan, WG (Yan, Weigen)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 1 Pages: 152-162 DOI: 10.1016/j.laa.2011.01.011 Published: JUL 1 2011

Record 10 of 20

Title: On the Laplacian coefficients of unicyclic graphs with prescribed matching number

Author(s): Tan, SW (Tan, Shang-wang)

Source: DISCRETE MATHEMATICS Volume: 311 Issue: 8-9 Pages: 582-594 DOI: 10.1016/j.disc.2010.12.022 Published: MAY 6 2011

Record 11 of 20

Title: A Survey on the Laplacian-Energy-Like Invariant

Author(s): Liu, BL (Liu, Bolian); Huang, YF (Huang, Yufei); You, ZF (You, Zhifu)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 66 Issue: 3 Pages: 713-730 Published: 2011

Record 12 of 20

Title: Eccentric Connectivity Index of Chemical Trees

Author(s): Ilic, A (Ilic, Aleksandar); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 65 Issue: 3 Pages: 731-744 Published: 2011

Record 13 of 20

Title: On the Laplacian coefficients of bicyclic graphs

Author(s): He, CX (He, Chang-Xiang); Shan, HY (Shan, Hai-Ying)

Source: DISCRETE MATHEMATICS Volume: 310 Issue: 23 Pages: 3404-3412 DOI: 10.1016/j.disc.2010.08.012 Published: DEC 6 2010

Record 14 of 20

Title: Trees with minimal Laplacian coefficients

Author(s): Ilic, A (Ilic, Aleksandar)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 59 Issue: 8 Pages: 2776-2783 DOI: 10.1016/j.camwa.2010.01.047 Published: APR 2010

Record 15 of 20

Title: The Laplacian-energy Like Invariant is an Energy Like Invariant

Author(s): Gutman, I (Gutman, Ivan); Zhou, B (Zhou, Bo); Furtula, B (Furtula, Boris)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 1 Pages: 85-96 Published: 2010

Record 16 of 20

Title: On Laplacian Like Energy of Trees

Author(s): Ilic, A (Ilic, Aleksandar); Krtinic, D (Krtinic, Djordje); Ilic, M (Ilic, Milovan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 1 Pages: 111-122 Published: 2010

Record 17 of 20

Title: Laplacian coefficients of trees with given number of leaves or vertices of degree two

Author(s): Ilic, A (Ilic, Aleksandar); Ilic, M (Ilic, Milovan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 11 Pages: 2195-2202

DOI: 10.1016/j.laa.2009.07.014 Published: NOV 1 2009

Record 18 of 20

Title: On the ordering of trees by the Laplacian coefficients

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 11 Pages: 2203-2212

DOI: 10.1016/j.laa.2009.07.022 Published: NOV 1 2009

Record 19 of 20

Title: On incidence energy of a graph

Author(s): Gutman, I (Gutman, Ivan); Kiani, D (Kiani, Dariush); Mirzakhah, M (Mirzakhah, Maryam); Zhou, B (Zhou, Bo)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 8 Pages: 1223-1233

DOI: 10.1016/j.laa.2009.04.019 Published: SEP 1 2009

Record 20 of 20

Title: On Incidence Energy of Graphs

Author(s): Gutman, I (Gutman, Ivan); Kiani, D (Kiani, Dariush); Mirzakhah, M (Mirzakhah, Maryam)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 62 Issue: 3 Pages: 573-580 Published: 2009

Stevanovic D, 2009, MATCH-COMMUN MATH CO, V61, P395

Record 1 of 6

Title: Energy of generalized line graphs

Author(s): Lang, WW (Lang, Weiwei); Wang, LG (Wang, Ligong)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 9 Pages: 2386-2396

DOI: 10.1016/j.laa.2012.05.023 Published: NOV 1 2012

Record 2 of 6

Title: Bounds for the signless Laplacian energy

Author(s): Abreu, N (Abreu, Nair); Cardoso, DM (Cardoso, Domingos M.); Gutman, I (Gutman, Ivan); Martins, EA (Martins, Enide A.); Robbiano, M (Robbiano, Maria)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 10 Special Issue: SI

Pages: 2365-2374 DOI: 10.1016/j.laa.2010.10.021 Published: NOV 15 2011

Record 3 of 6

Title: Energy of line graphs

Author(s): Gutman, I (Gutman, Ivan); Robbiano, M (Robbiano, Maria); Martins, EA (Martins, Enide Andrade); Cardoso, DM (Cardoso, Domingos M.); Medina, L (Medina, Luis); Rojo, O (Rojo, Oscar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 7 Pages: 1312-1323

DOI: 10.1016/j.laa.2010.05.009 Published: DEC 1 2010

Record 4 of 6

Title: The Laplacian energy of random graphs

Author(s): Du, WX (Du, Wenxue); Li, XL (Li, Xueliang); Li, YY (Li, Yiyang)

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS Volume: 368 Issue: 1

Pages: 311-319 DOI: 10.1016/j.jmaa.2010.02.051 Published: AUG 1 2010

Record 5 of 6

Title: Applications of a theorem by Ky Fan in the theory of graph energy

Author(s): So, W (So, Wasin); Robbiano, M (Robbiano, Maria); de Abreu, NMM (Maia de Abreu, Nair Maria); Gutman, I (Gutman, Ivan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2163-2169 DOI: 10.1016/j.laa.2009.01.006 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 6 of 6

Title: The Laplacian-energy Like Invariant is an Energy Like Invariant

Author(s): Gutman, I (Gutman, Ivan); Zhou, B (Zhou, Bo); Furtula, B (Furtula, Boris)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 85-96 Published: 2010

Aouchiche M., 2009, *Discussiones Mathematicae Graph Theory*, V29

Record 1 of 1

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Aouchiche M, 2008, *EUR J OPER RES*, V191, P661, DOI 10.1016/j.ejor.2006.12.059

Record 1 of 13

Title: A survey of Nordhaus-Gaddum type relations

Author(s): Aouchiche, M (Aouchiche, Mustapha); Hansen, P (Hansen, Pierre)

Source: DISCRETE APPLIED MATHEMATICS Volume: 161 Issue: 4-5 Special Issue: SI Pages:

466-546 DOI: 10.1016/j.dam.2011.12.018 Published: MAR 2013

Record 2 of 13

Title: The efficiency and stability of R&D networks

Author(s): Konig, MD (Koenig, Michael D.); Battiston, S (Battiston, Stefano); Napoletano, M

(Napoletano, Mauro); Schweitzer, F (Schweitzer, Frank)

Source: GAMES AND ECONOMIC BEHAVIOR Volume: 75 Issue: 2 Pages: 694-713 DOI:

10.1016/j.geb.2011.12.007 Published: JUL 2012

Record 3 of 13

Title: Connected graphs with maximal Q-index: The one-dominating-vertex case

Author(s): Chang, TC (Chang, Ting-Chung); Tam, BS (Tam, Bit-Shun)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 10 Special Issue: SI

Pages: 2451-2461 DOI: 10.1016/j.laa.2011.02.018 Published: NOV 15 2011

Record 4 of 13

Title: On the spectral radius of quasi-k-cyclic graphs

Author(s): Geng, XY (Geng, Xianya); Li, SC (Li, Shuchao); Simic, SK (Simic, Slobodan K.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 8-10 Pages: 1561-1572

DOI: 10.1016/j.laa.2010.06.007 Published: DEC 15 2010

Record 5 of 13

Title: Some notes on the threshold graphs

Author(s): Andelic, M (Andelic, Milica); Simic, SK (Simic, Slobodan K.)

Source: DISCRETE MATHEMATICS Volume: 310 Issue: 17-18 Pages: 2241-2248 DOI:
10.1016/j.disc.2010.04.022 Published: SEP 28 2010-----
Record 6 of 13Title: FROM ASSORTATIVE TO DISSORTATIVE NETWORKS: THE ROLE OF CAPACITY
CONSTRAINTSAuthor(s): Konig, MD (Koenig, Michael D.); Tessone, CJ (Tessone, Claudio J.); Zenou, Y (Zenou,
Yves)Source: ADVANCES IN COMPLEX SYSTEMS Volume: 13 Issue: 4 Pages: 483-499 DOI:
10.1142/S0219525910002700 Published: AUG 2010-----
Record 7 of 13

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI
Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 8 of 13

Title: Connected graphs of fixed order and size with maximal index: Some spectral bounds

Author(s): Simic, SK (Simic, Slobodan K.); Belardo, F (Belardo, Francesco); Li Marzi, EM (Li Marzi,
Enzo Maria); Tosic, DV (Tosic, Dejan V.)Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI
Pages: 2361-2372 DOI: 10.1016/j.laa.2009.06.043 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 9 of 13

Title: Graphs with maximal signless Laplacian spectral radius

Author(s): Chang, TJ (Chang, Ting-Jung); Tam, BS (Tam, Bit-Shun)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 7 Pages: 1708-1733
DOI: 10.1016/j.laa.2009.11.027 Published: MAR 15 2010-----
Record 10 of 13

Title: On the reduced signless Laplacian spectrum of a degree maximal graph

Author(s): Tam, BS (Tam, Bit-Shun); Wu, SH (Wu, Shu-Hui)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 7 Pages: 1734-1756
DOI: 10.1016/j.laa.2009.11.031 Published: MAR 15 2010-----
Record 11 of 13

Title: Variable neighbourhood search: methods and applications

Author(s): Hansen, P (Hansen, Pierre); Mladenovic, N (Mladenovic, Nenad); Perez, JAM (Moreno
Perez, Jose A.)Source: ANNALS OF OPERATIONS RESEARCH Volume: 175 Issue: 1 Pages: 367-407 DOI:
10.1007/s10479-009-0657-6 Published: MAR 2010

Record 12 of 13

Title: More on "Connected (n, m) -graphs with minimum and maximum zeroth-order general Randić index"

Author(s): Pavlovic, L (Pavlovic, Ljiljana); Lazic, M (Lazic, Mirjana); Aleksic, T (Aleksic, Tatjana)

Source: DISCRETE APPLIED MATHEMATICS Volume: 157 Issue: 13 Pages: 2938-2944 DOI: 10.1016/j.dam.2009.02.014 Published: JUL 6 2009

Record 13 of 13

Title: Variable neighbourhood search: methods and applications

Author(s): Hansen, P (Hansen, Pierre); Mladenovic, N (Mladenovic, Nenad); Moreno Perez, JA (Moreno Perez, Jose A.)

Source: 4OR-A QUARTERLY JOURNAL OF OPERATIONS RESEARCH Volume: 6 Issue: 4 Pages: 319-360 DOI: 10.1007/s10288-008-0089-1 Published: DEC 2008

Barioli F, 2008, LINEAR ALGEBRA APPL, V428, P1628, DOI 10.1016/j.laa.2007.10.009**BARIOLI F, 2008, LINEAR ALGEBRA ITS A, P1628**

Record 1 of 28

Title: Bounds for minimum semidefinite rank from superpositions and cutsets

Author(s): Beagley, J (Beagley, Jonathan); Mitchell, LH (Mitchell, Lon H.); Narayan, SK (Narayan, Sivaram K.); Radzwion, E (Radzwion, Eileen); Rimer, SP (Rimer, Sara P.); Tomasino, R (Tomasino, Rachael); Wolfe, J (Wolfe, Jennifer); Zimmer, AM (Zimmer, Andrew M.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 10 Special Issue: SI Pages: 4041-4061 DOI: 10.1016/j.laa.2012.07.012 Published: MAY 15 2013

Record 2 of 28

Title: Acyclic matrices with a small number of distinct eigenvalues

Author(s): Nair, R (Nair, Reshmi); Shader, BL (Shader, Bryan L.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 10 Special Issue: SI Pages: 4075-4089 DOI: 10.1016/j.laa.2012.08.029 Published: MAY 15 2013

Record 3 of 28

Title: Parameters Related to Tree-Width, Zero Forcing, and Maximum Nullity of a Graph

Author(s): Barioli, F (Barioli, Francesco); Barrett, W (Barrett, Wayne); Fallat, SM (Fallat, Shaun M.); Hall, HT (Hall, H. Tracy); Hogben, L (Hogben, Leslie); Shader, B (Shader, Bryan); van den Driessche, P (van den Driessche, P.); van der Holst, H (van der Holst, Hein)

Source: JOURNAL OF GRAPH THEORY Volume: 72 Issue: 2 Pages: 146-177 DOI: 10.1002/jgt.21637 Published: FEB 2013

Record 4 of 28

Title: A new lower bound for the positive semidefinite minimum rank of a graph

Author(s): Zimmer, AM (Zimmer, Andrew M.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 3 Pages: 1095-1112 DOI: 10.1016/j.laa.2012.09.001 Published: FEB 1 2013

Record 5 of 28

Title: ZERO FORCING NUMBER, MAXIMUM NULLITY, AND PATH COVER NUMBER OF SUBDIVIDED GRAPHS

Author(s): Catral, M (Catral, Minerva); Cepek, A (Cepek, Anna); Hogben, L (Hogben, Leslie); Huynh, M (My Huynh); Lazebnik, K (Lazebnik, Kirill); Peters, T (Peters, Travis); Young, M (Young, Michael)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 23 Pages: 906-922 Published: NOV 2012

Record 6 of 28

Title: Propagation time for zero forcing on a graph

Author(s): Hogben, L (Hogben, Leslie); Huynh, M (My Huynh); Kingsley, N (Kingsley, Nicole); Meyer, S (Meyer, Sarah); Walker, S (Walker, Shanise); Young, M (Young, Michael)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 13-14 Pages: 1994-2005 DOI: 10.1016/j.dam.2012.04.003 Published: SEP 2012

Record 7 of 28

Title: Vertex and edge spread of zero forcing number, maximum nullity, and minimum rank of a graph

Author(s): Edholm, CJ (Edholm, Christina J.); Hogben, L (Hogben, Leslie); Huynh, M (My Huynh); LaGrange, J (LaGrange, Joshua); Row, DD (Row, Darren D.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 12 Special Issue: SI Pages: 4352-4372 DOI: 10.1016/j.laa.2010.10.015 Published: JUN 15 2012

Conference Title: Workshop on Theory and Applications of Matrices described by Patterns

Conference Date: JAN 31-FEB 05, 2010

Conference Location: Banff, CANADA

Record 8 of 28

Title: On the graph complement conjecture for minimum rank

Author(s): Barioli, F (Barioli, Francesco); Barrett, W (Barrett, Wayne); Fallat, SM (Fallat, Shaun M.); Hall, HT (Hall, H. Tracy); Hogben, L (Hogben, Leslie); van der Holst, H (van der Holst, Hein)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 12 Special Issue: SI Pages: 4373-4391 DOI: 10.1016/j.laa.2010.12.024 Published: JUN 15 2012

Conference Title: Workshop on Theory and Applications of Matrices described by Patterns

Conference Date: JAN 31-FEB 05, 2010

Conference Location: Banff, CANADA

Record 9 of 28

Title: A technique for computing the zero forcing number of a graph with a cut-vertex

Author(s): Row, DD (Row, Darren D.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 12 Special Issue: SI Pages: 4423-4432 DOI: 10.1016/j.laa.2011.05.012 Published: JUN 15 2012

Conference Title: Workshop on Theory and Applications of Matrices described by Patterns

Conference Date: JAN 31-FEB 05, 2010

Conference Location: Banff, CANADA

Record 10 of 28

Title: On the minimum rank of the third power of a starlike tree

Author(s): Shen, XL (Shen, Xiaoling); Hou, YP (Hou, Yaoping); Sheng, L (Sheng, Li)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 12 Special Issue: SI Pages: 4503-4511 DOI: 10.1016/j.laa.2011.08.045 Published: JUN 15 2012

Conference Title: Workshop on Theory and Applications of Matrices described by Patterns

Conference Date: JAN 31-FEB 05, 2010

Conference Location: Banff, CANADA

Record 11 of 28

Title: Minimum rank of outerplanar graphs

Author(s): Sinkovic, J (Sinkovic, John); Kempton, M (Kempton, Mark)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 9 Pages: 3701-3720 DOI: 10.1016/j.laa.2012.01.008 Published: MAY 1 2012

Record 12 of 28

Title: Zero forcing sets and bipartite circulants

Author(s): Meyer, SA (Meyer, Seth A.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 4 Special Issue: SI

Pages: 888-900 DOI: 10.1016/j.laa.2011.09.022 Published: FEB 15 2012

Conference Title: Conference of the Coimbra Meeting on 0-1 Matrix Theory and Related Topics

Conference Date: JUN 17-19, 2010

Conference Location: Coimbra, PORTUGAL

Conference Host: Univ Coimbra, Dept Math (DMUC)

Record 13 of 28

Title: Lower bounds for minimum semidefinite rank from orthogonal removal and chordal supergraphs

Author(s): Mitchell, LH (Mitchell, Lon H.); Narayan, SK (Narayan, Sivaram K.); Zimmer, AM (Zimmer, Andrew M.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 3 Pages: 525-536 DOI:

10.1016/j.laa.2011.07.004 Published: FEB 1 2012

Record 14 of 28

Title: On the rank spread of graphs

Author(s): Sciriha, I (Sciriha, Irene); da Fonseca, CM (da Fonseca, C. M.)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 60 Issue: 1 Pages: 73-92 DOI:

10.1080/03081087.2011.567389 Published: 2012

Record 15 of 28

Title: The minimum semidefinite rank of the complement of partial k-trees

Author(s): Sinkovic, J (Sinkovic, John); van der Holst, H (van der Holst, Hein)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 434 Issue: 6 Pages: 1468-1474

DOI: 10.1016/j.laa.2010.11.013 Published: MAR 15 2011

Record 16 of 28

Title: MINIMUM SEMIDEFINITE RANK OF OUTERPLANAR GRAPHS AND THE TREE COVER NUMBER

Author(s): Barioli, F (Barioli, Francesco); Fallat, SM (Fallat, Shaun M.); Mitchell, LH (Mitchell, Lon H.); Narayan, SK (Narayan, Sivaram K.)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 22 Pages: 10-21 Published: JAN 2011

Record 17 of 28

Title: A note on universally optimal matrices and field independence of the minimum rank of a graph

Author(s): Huang, LH (Huang, Liang-Hao); Chang, GJ (Chang, Gerard J.); Yeh, HG (Yeh, Hong-Gwa)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 3 Pages: 585-594 DOI:

10.1016/j.laa.2010.03.027 Published: SEP 1 2010

Record 18 of 28

Title: Zero forcing parameters and minimum rank problems

Author(s): Barioli, F (Barioli, Francesco); Barrett, W (Barrett, Wayne); Fallat, SM (Fallat, Shaun M.);

Hall, HT (Hall, H. Tracy); Hogben, L (Hogben, Leslie); Shader, B (Shader, Bryan); van den Driessche, P (van den Driessche, P.); van der Holst, H (van der Holst, Hein)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 2 Pages: 401-411 DOI:

10.1016/j.laa.2010.03.008 Published: AUG 1 2010

Record 19 of 28

Title: On minimum rank and zero forcing sets of a graph

Author(s): Huang, LH (Huang, Liang-Hao); Chang, GJ (Chang, Gerard J.); Yeh, HG (Yeh, Hong-Gwa)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 11 Pages: 2961-2973

DOI: 10.1016/j.laa.2010.01.001 Published: JUN 1 2010

Record 20 of 28

Title: Techniques for determining the minimum rank of a small graph

Author(s): DeLoss, L (DeLoss, Laura); Grout, J (Grout, Jason); Hogben, L (Hogben, Leslie); McKay, T (McKay, Tracy); Smith, J (Smith, Jason); Tims, G (Tims, Geoff)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 11 Pages: 2995-3001

DOI: 10.1016/j.laa.2010.01.008 Published: JUN 1 2010

Record 21 of 28

Title: Minimum rank of skew-symmetric matrices described by a graph

Author(s): Allison, M (Allison, Mary); Bodine, E (Bodine, Elizabeth); DeAlba, LM (DeAlba, Luz Maria); Debnath, J (Debnath, Joyati); DeLoss, L (DeLoss, Laura); Garnett, C (Garnett, Colin); Grout, J (Grout, Jason); Hogben, L (Hogben, Leslie); Im, B (Im, Bokhee); Kim, H (Kim, Hana); Nair, R (Nair, Reshmi); Pryporova, O (Pryporova, Olga); Savage, K (Savage, Kendrick); Shader, B (Shader, Bryan); Wehe, AW (Wehe, Amy Wangsness)

Group Author(s): IMA-ISU Res Grp Minimum Rank

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 10 Pages: 2457-2472

DOI: 10.1016/j.laa.2009.10.001 Published: MAY 1 2010

Record 22 of 28

Title: Minimum rank problems

Author(s): Hogben, L (Hogben, Leslie)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 8 Special Issue: SI Pages: 1961-1974 DOI: 10.1016/j.laa.2009.05.003 Published: APR 1 2010

Conference Title: 15th Conference of the International-Linear Algebra-Society

Conference Date: JUN 16-20, 2008

Conference Location: Cancun, MEXICO

Record 23 of 28

Title: Lower bounds in minimum rank problems

Author(s): Mitchell, LH (Mitchell, Lon H.); Narayan, SK (Narayan, Sivaram K.); Zimmer, AM (Zimmer, Andrew M.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 1 Pages: 430-440 DOI: 10.1016/j.laa.2009.08.023 Published: JAN 1 2010

Record 24 of 28

Title: Extremal Non-Bonding Orbitals

Author(s): Sciriha, I (Sciriha, Irene)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 63 Issue: 3 Pages: 751-768 Published: 2010

Record 25 of 28

Title: UNIVERSALLY OPTIMAL MATRICES AND FIELD INDEPENDENCE OF THE MINIMUM RANK OF A GRAPH

Author(s): Dealba, LM (Dealba, Luz M.); Grout, J (Grout, Jason); Hogben, L (Hogben, Leslie);

Mikkelsen, R (Mikkelsen, Rana); Rasmussen, K (Rasmussen, Kaela)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 18 Pages: 403-419 Published: JUL 2009

Record 26 of 28

Title: ON THE MINIMUM RANK OF NOT NECESSARILY SYMMETRIC MATRICES: A PRELIMINARY STUDY

Author(s): Barioli, F (Barioli, Francesco); Fallat, SM (Fallat, Shaun M.); Hall, HT (Hall, H. Tracy); Hershkowitz, D (Hershkowitz, Daniel); Hogben, L (Hogben, Leslie); Van der Holst, H (Van der Holst, Hein); Shader, B (Shader, Bryan)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 18 Pages: 126-145 Published: FEB 2009

Record 27 of 28

Title: An upper bound for the minimum rank of a graph

Author(s): Berman, A (Berman, Avi); Friedland, S (Friedland, Shmuel); Hogben, L (Hogben, Leslie); Rothblum, UG (Rothblum, Uriel G.); Shader, B (Shader, Bryan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 429 Issue: 7 Pages: 1629-1638
DOI: 10.1016/j.laa.2008.04.038 Published: OCT 1 2008

Record 28 of 28

Title: Orthogonal representations, minimum rank, and graph complements

Author(s): Hogben, L (Hogben, Leslie)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 428 Issue: 11-12 Pages: 2560-2568
DOI: 10.1016/j.laa.2007.12.004 Published: JUN 1 2008

Stevanovic D, 2008, MATCH-COMMUN MATH CO, V60, P71

Record 1 of 12

Title: On the second maximal and minimal Wiener index of unicyclic graphs with given girth

Author(s): Feng, LH (Feng, Lihua); Ilic, A (Ilic, Aleksandar); Yu, GH (Yu, Guihai)

Source: ARS COMBINATORIA Volume: 104 Pages: 13-22 Published: APR 2012

Record 2 of 12

Title: Wiener indices of trees and monocyclic graphs with given bipartition

Author(s): Du, ZB (Du, Zhibin)

Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 112 Issue: 6 Pages: 1598-1605
DOI: 10.1002/qua.23167 Published: MAR 15 2012

Record 3 of 12

Title: Minimum Detour Index of Bicyclic Graphs

Author(s): Du, CJ (Du, Chunjuan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
Volume: 68 Issue: 1 Pages: 357-370 Published: 2012

Record 4 of 12

Title: Maximum Wiener Index of Unicyclic Graphs with Fixed Maximum Degree

Author(s): Dong, H (Dong, Hui); Zhou, B (Zhou, Bo)

Source: ARS COMBINATORIA Volume: 103 Pages: 407-416 Published: JAN 2012

Record 5 of 12

Title: DEGREE DISTANCE OF UNICYCLIC GRAPHS

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo)

Source: FILOMAT Volume: 24 Issue: 4 Pages: 95-120 Published: DEC 2010

Record 6 of 12

Title: On the Wiener Index of Graphs

Author(s): Wu, XY (Wu, Xiaoying); Liu, HQ (Liu, Huiqing)

Source: ACTA APPLICANDAE MATHEMATICAE Volume: 110 Issue: 2 Pages: 535-544 DOI: 10.1007/s10440-009-9460-2 Published: MAY 2010

Record 7 of 12

Title: DETOUR INDEX OF A CLASS OF UNICYCLIC GRAPHS

Author(s): Qi, XL (Qi, Xuli); Zhou, B (Zhou, Bo)

Source: FILOMAT Volume: 24 Issue: 1 Pages: 29-40 DOI: 10.2298/FIL1001029Q Published: APR 2010

Record 8 of 12

Title: Maximum Wiener Index of Trees with Given Degree Sequence

Author(s): Zhang, XD (Zhang, Xiao-Dong); Liu, Y (Liu, Yong); Han, MX (Han, Min-Xian)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 3 Pages: 661-682 Published: 2010

Record 9 of 12

Title: Generalized Schultz Index and Its Edge Versions

Author(s): Khormali, O (Khormali, Omid); Iranmanesh, A (Iranmanesh, Ali); Gutman, I (Gutman, Ivan); Ahmadi, A (Ahmadi, Ali)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 64 Issue: 3 Pages: 783-798 Published: 2010

Record 10 of 12

Title: MINIMUM WIENER INDICES OF TREES AND UNICYCLIC GRAPHS OF GIVEN MATCHING NUMBER

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 63 Issue: 1 Pages: 101-112 Published: 2010

Record 11 of 12

Title: On the extremal Wiener polarity index of trees with a given diameter

Author(s): Deng, HY (Deng, Hanyuan); Xiao, H (Xiao, Hui); Tang, FF (Tang, Fenfang)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 63 Issue: 1 Pages: 257-264 Published: 2010

Record 12 of 12

Title: THE EDGE VERSIONS OF THE WIENER INDEX

Author(s): Iranmanesh, A (Iranmanesh, Ali); Gutman, I (Gutman, Ivan); Khormali, O (Khormali, Omid); Mahmiani, A (Mahmiani, Anehgaldi)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 61 Issue: 3 Pages: 663-672 Published: 2009

Stevanovic D, 2008, LINEAR ALGEBRA APPL, V428, P1854, DOI 10.1016/j.laa.2007.10.024

Record 1 of 7

Title: The least eigenvalue of a graph with a given domination number

Author(s): Zhu, BX (Zhu, Bao-Xuan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 11 Pages: 2713-2718 DOI: 10.1016/j.laa.2012.06.007 Published: DEC 1 2012

Record 2 of 7

Title: The Laplacian spectral radius of graphs with given matching number

Author(s): Feng, LH (Feng, Lihua)

Source: ARS COMBINATORIA Volume: 96 Pages: 257-262 Published: JUL 2010

Record 3 of 7

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 4 of 7

Title: Variable neighbourhood search: methods and applications

Author(s): Hansen, P (Hansen, Pierre); Mladenovic, N (Mladenovic, Nenad); Perez, JAM (Moreno Perez, Jose A.)

Source: ANNALS OF OPERATIONS RESEARCH Volume: 175 Issue: 1 Pages: 367-407 DOI: 10.1007/s10479-009-0657-6 Published: MAR 2010

Record 5 of 7

Title: On the Energy of Trees with Given Domination Number

Author(s): He, CX (He, Chang-Xiang); Wu, BF (Wu, Bao-Feng); Yu, ZS (Yu, Zhen-Sheng)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 169-180 Published: 2010

Record 6 of 7

Title: The least eigenvalue of graphs with given connectivity

Author(s): Ye, ML (Ye, Miao-Lin); Fan, YZ (Fan, Yi-Zheng); Liang, D (Liang, Dong)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 430 Issue: 4 Pages: 1375-1379

DOI: 10.1016/j.laa.2008.10.031 Published: FEB 1 2009

Record 7 of 7

Title: Variable neighbourhood search: methods and applications

Author(s): Hansen, P (Hansen, Pierre); Mladenovic, N (Mladenovic, Nenad); Moreno Perez, JA (Moreno Perez, Jose A.)

Source: 4OR-A QUARTERLY JOURNAL OF OPERATIONS RESEARCH Volume: 6 Issue: 4 Pages: 319-360 DOI: 10.1007/s10288-008-0089-1 Published: DEC 2008

Hansen P, 2008, DISCRETE APPL MATH, V156, P986, DOI 10.1016/j.dam.2007.05.044

HANSEN P, 2005, ELECT NOTES DISCRETE, V19, P111, DOI 10.1016/j.endm.2005.05.016

Record 1 of 7

Title: Maximizing the signless Laplacian spectral radius of graphs with given diameter or cut vertices

Author(s): Wang, JF (Wang, Jianfeng); Huang, QX (Huang, Qiongxian)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 59 Issue: 7 Pages: 733-744 DOI: 10.1080/03081087.2010.499363 Published: 2011

Record 2 of 7

Title: On the spectral radius of tricyclic graphs with a fixed diameter

Author(s): Geng, XY (Geng, Xianya); Li, SC (Li, Shuchao)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 59 Issue: 1 Pages: 41-56 Article Number:

DOI: 10.1080/03081080903257630 Published: 2011

Record 3 of 7

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 4 of 7

Title: Asymptotic results on the spectral radius and the diameter of graphs

Author(s): Cioaba, SM (Cioaba, Sebastian M.); van Dam, ER (van Dam, Edwin R.); Koolen, JH (Koolen, Jack H.); Lee, JH (Lee, Jae-Ho)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 2-3 Pages: 722-737

DOI: 10.1016/j.laa.2009.09.016 Published: JAN 15 2010

Record 5 of 7

Title: Maximizing the spectral radius of bicyclic graphs with fixed girth

Author(s): Zhai, MQ (Zhai, Mingqing); Wu, YR (Wu, Yarong); Shu, JL (Shu, Jinlong)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 5-7 Pages: 716-723

DOI: 10.1016/j.laa.2009.03.021 Published: AUG 1 2009

Record 6 of 7

Title: Graphs with given diameter maximizing the spectral radius

Author(s): van Dam, ER (van Dam, E. R.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 426 Issue: 2-3 Pages: 454-457

DOI: 10.1016/j.laa.2007.05.026 Published: OCT 15 2007

Record 7 of 7

Title: Automated results and conjectures on average distance in graphs

Author(s): Aouchiche, M (Aouchiche, Mustapha); Hansen, P (Hansen, Pierre)

Editor(s): Bondy A; Fonlupt J; Fouquet JL; Fournier JC; Alfonsin JLR

Source: Graph Theory in Paris: PROCEEDINGS OF A CONFERENCE IN MEMORY OF CALUDE BERGE Book Series: TRENDS IN MATHEMATICS Pages: 21-36 DOI: 10.1007/978-3-7643-7400-6_3 Published: 2007

Conference Title: International Conference on Graph Theory held in Memory of Claude Berge (GT04)

Conference Date: JUL, 2004

Conference Location: Paris, FRANCE
-----**Stevanovic D, 2008, ELECTRON J LINEAR AL, V17, P110**

Record 1 of 4

Title: The smallest Laplacian spectral radius of graphs with a given clique number

Author(s): Guo, JM (Guo, Ji-Ming); Li, JX (Li, Jianxi); Shiu, WC (Shiu, Wai Chee)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 4 Pages: 1109-1122

DOI: 10.1016/j.laa.2012.04.016 Published: AUG 15 2012

Record 2 of 4

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 3 of 4

Title: Semiregular trees with minimal Laplacian spectral radius

Author(s): Biyikoglu, T (Biyikoglu, Tuerker); Leydold, J (Leydold, Josef)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2335-2341 DOI: 10.1016/j.laa.2009.06.014 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 4 of 4

Title: The minimum spectral radius of graphs with a given independence number

Author(s): Xu, MM (Xu, Mimi); Hong, Y (Hong, Yuan); Shu, JL (Shu, Jinlong); Zhai, MQ (Zhai, Mingqing)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 5-7 Pages: 937-945

DOI: 10.1016/j.laa.2009.03.055 Published: AUG 1 2009

Gutman I, 2008, RECENT RESULTS THEOR**Gutman I., 2008, MATH CHEM MONOGR, V6****GUTMAN I, 2008, MATH CHEM MONOGRAPHS****STEVANOVIC D, 2008, RECENT RESULTS THEOR, P49**

Record 1 of 35

Title: On a Conjecture about the Randic Index and Diameter

Author(s): Zhang, M (Zhang, Meng); Liu, BL (Liu, Bolian)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 2 Pages: 433-442 Published: 2010

Record 2 of 35

Title: Relations Between the Product- and Sum-connectivity Indices

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: CROATICA CHEMICA ACTA Volume: 85 Issue: 3 Pages: 363-365 DOI: 10.5562/cca2052

Published: OCT 2012

Record 3 of 35

Title: ON THE EDGE VERSION OF GEOMETRIC-ARITHMETIC INDEX

Author(s): Mahmiani, A (Mahmiani, Anehgaldi); Khormali, O (Khormali, Omid); Iranmanesh, A (Iranmanesh, A.)

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 7 Issue: 2

Pages: 411-414 Published: APR-JUN 2012

Record 4 of 35

Title: The harmonic index for graphs

Author(s): Zhong, LP (Zhong, Lingping)

Source: APPLIED MATHEMATICS LETTERS Volume: 25 Issue: 3 Pages: 561-566 DOI: 10.1016/j.aml.2011.09.059 Published: MAR 2012

Record 5 of 35

Title: On the Additive Version of the Connectivity Index

Author(s): Nikolic, S (Nikolic, Sonja); Trinajstic, N (Trinajstic, Nenad); Turk, SI (Turk, Sanja Ivanis)

Editor(s): Simos TE; Maroulis G

Source: INTERNATIONAL CONFERENCE OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 2009 (ICCMSE 2009) Book Series: AIP Conference Proceedings Volume: 1504 Pages: 342-350 DOI: 10.1063/1.4771727 Published: 2012

Conference Title: 7th International Conference on Computational Methods in Science and Engineering (ICCMSE)

Conference Date: SEP 29-OCT 04, 2009

Conference Location: Rhodes, GREECE

Record 6 of 35

Title: ON THE MODIFIED RANDIC INDEX OF TREES, UNICYCLIC GRAPHS AND BICYCLIC GRAPHS

Author(s): Li, JP (Li, Jianping); Zhou, B (Zhou, Bo)

Source: MISKOLC MATHEMATICAL NOTES Volume: 13 Issue: 2 Pages: 415-427 Published: 2012

Record 7 of 35

Title: Computing Topological Indices by Pulling a Few Strings

Author(s): Doslic, T (Doslic, Tomislav); Loghman, A (Loghman, Amir); Badakhshian, L (Badakhshian, Leila)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 67 Issue: 1 Pages: 173-190 Published: 2012

Record 8 of 35

Title: On Sum-Connectivity Index of Bicyclic Graphs

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo)

Source: BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY Volume: 35 Issue: 1 Pages: 101-117 Published: 2012

Record 9 of 35

Title: Sharp upper bounds on Zagreb indices of bicyclic graphs with a given matching number

Author(s): Li, SC (Li, Shuchao); Zhao, Q (Zhao, Qin)

Source: MATHEMATICAL AND COMPUTER MODELLING Volume: 54 Issue: 11-12 Pages: 2869-2879 DOI: 10.1016/j.mcm.2011.07.007 Published: DEC 2011

Record 10 of 35

Title: Bond additive modeling 10. Upper and lower bounds of bond incident degree indices of catacondensed fluoranthenes

Author(s): Vukicevic, D (Vukicevic, Damir); Durdevic, J (Durdevic, Jelena)

Source: CHEMICAL PHYSICS LETTERS Volume: 515 Issue: 1-3 Pages: 186-189 DOI: 10.1016/j.cplett.2011.08.095 Published: OCT 17 2011

Record 11 of 35

Title: On Randic Indices of Trees, Unicyclic Graphs, and Bicyclic Graphs

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo)

Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 111 Issue: 12 Pages: 2760-2770 DOI: 10.1002/qua.22596 Published: OCT 2011

Record 12 of 35

Title: The General Sum-Connectivity Indices of Benzenoid Systems and Phenylenes

Author(s): Ma, FY (Ma, Feiyang); Deng, HY (Deng, Hanyuan)

Source: JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 8 Issue: 9 Pages: 1878-1881 DOI: 10.1166/jctn.2011.1896 Published: SEP 2011

Record 13 of 35

Title: ON THE SUM-CONNECTIVITY INDEX

Author(s): Wang, SL (Wang, Shilin); Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: FILOMAT Volume: 25 Issue: 3 Pages: 29-42 Published: SEP 2011

Record 14 of 35

Title: Sharp bounds for Zagreb indices of maximal outerplanar graphs

Author(s): Hou, AL (Hou, Ailin); Li, SC (Li, Shuchao); Song, LZ (Song, Lanzhen); Wei, B (Wei, Bing)

Source: JOURNAL OF COMBINATORIAL OPTIMIZATION Volume: 22 Issue: 2 Pages: 252-269 DOI: 10.1007/s10878-010-9288-8 Published: AUG 2011

Record 15 of 35

Title: Sharp bounds on the zeroth-order general Randic indices of conjugated bicyclic graphs

Author(s): Li, SC (Li, Shuchao); Zhang, MJ (Zhang, Minjie)

Source: MATHEMATICAL AND COMPUTER MODELLING Volume: 53 Issue: 9-10 Pages: 1990-2004 DOI: 10.1016/j.mcm.2011.01.030 Published: MAY 2011

Record 16 of 35

Title: On ordinary generalized geometric-arithmetic index

Author(s): Eliasi, M (Eliasi, Mehdi); Iranmanesh, A (Iranmanesh, Ali)

Source: APPLIED MATHEMATICS LETTERS Volume: 24 Issue: 4 Pages: 582-587 DOI: 10.1016/j.aml.2010.11.021 Published: APR 2011

Record 17 of 35

Title: On the general sum-connectivity index of trees

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: APPLIED MATHEMATICS LETTERS Volume: 24 Issue: 3 Pages: 402-405 DOI: 10.1016/j.aml.2010.10.038 Published: MAR 2011

Record 18 of 35

Title: Survey on Geometric-Arithmetic Indices of Graphs

Author(s): Das, KC (Das, Kinkar Ch.); Gutman, I (Gutman, Ivan); Furtula, B (Furtula, Boris)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 65 Issue: 3 Pages: 595-644 Published: 2011

Record 19 of 35

Title: Master Connectivity Index and Master Connectivity Polynomial

Author(s): Vukicevic, D (Vukicevic, Damir); Trinajstic, N (Trinajstic, Nenad); Nikolic, S (Nikolic, Sonja); Lucic, B (Lucic, Bono); Zhou, B (Zhou, Bo)

Source: CURRENT COMPUTER-AIDED DRUG DESIGN Volume: 6 Issue: 4 Pages: 235-239 Published: DEC 2010

Record 20 of 35

Title: Which generalized Randic indices are suitable measures of molecular branching?

Author(s): Vukicevic, D (Vukicevic, Damir)

Source: DISCRETE APPLIED MATHEMATICS Volume: 158 Issue: 18 Pages: 2056-2065 DOI: 10.1016/j.dam.2010.08.013 Published: NOV 28 2010

Record 21 of 35

Title: Bond-additive Modeling. 3. Comparison between the Product-connectivity Index and Sum-connectivity Index

Author(s): Vukicevic, D (Vukicevic, Damir); Trinajstic, N (Trinajstic, Nenad)

Source: CROATICA CHEMICA ACTA Volume: 83 Issue: 3 Pages: 349-351 Published: OCT 2010

Record 22 of 35

Title: Sum-connectivity index of molecular trees

Author(s): Xing, RD (Xing, Rundan); Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 48 Issue: 3 Pages: 583-591 DOI: 10.1007/s10910-010-9693-3 Published: OCT 2010

Record 23 of 35

Title: On the Maximum Zagreb Indices of Graphs with k Cut Vertices

Author(s): Zhao, Q (Zhao, Qin); Li, SC (Li, Shuchao)

Source: ACTA APPLICANDAE MATHEMATICAE Volume: 111 Issue: 1 Pages: 93-106 DOI: 10.1007/s10440-009-9534-1 Published: JUL 2010

Record 24 of 35

Title: On the Extremal Zagreb Indices of Graphs with Cut Edges

Author(s): Feng, YQ (Feng, Yanqin); Hu, X (Hu, Xia); Li, SC (Li, Shuchao)

Source: ACTA APPLICANDAE MATHEMATICAE Volume: 110 Issue: 2 Pages: 667-684 DOI: 10.1007/s10440-009-9467-8 Published: MAY 2010

Record 25 of 35

Title: Estimating the higher-order Randic index

Author(s): Yero, IG (Yero, Ismael G.); Rodriguez-Velazquez, JA (Rodriguez-Velazquez, Juan A.); Gutman, I (Gutman, Ivan)

Source: CHEMICAL PHYSICS LETTERS Volume: 489 Issue: 1-3 Pages: 118-120 DOI: 10.1016/j.cplett.2010.02.052 Published: APR 1 2010

Record 26 of 35

Title: Minimum sum-connectivity indices of trees and unicyclic graphs of a given matching number

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 47 Issue: 2 Pages: 842-855 DOI: 10.1007/s10910-009-9604-7 Published: FEB 2010

Record 27 of 35

Title: On general sum-connectivity index

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 47 Issue: 1 Pages: 210-218 DOI: 10.1007/s10910-009-9542-4 Published: JAN 2010

Record 28 of 35

Title: A new geometric-arithmetic index

Author(s): Fath-Tabar, G (Fath-Tabar, Gholamhossein); Furtula, B (Furtula, Boris); Gutman, I (Gutman, Ivan)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 47 Issue: 1 Pages: 477-486 DOI: 10.1007/s10910-009-9584-7 Published: JAN 2010

Record 29 of 35

Title: Randic Matrix and Randic Energy

Author(s): Bozkurt, SB (Bozkurt, S. Burcu); Gungor, AD (Gungor, A. Dilek); Gutman, I (Gutman, Ivan); Cevik, AS (Cevik, A. Sinan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 239-250 Published: 2010

Record 30 of 35

Title: Randic Spectral Radius and Randic Energy

Author(s): Bozkurt, SB (Bozkurt, S. Burcu); Gungor, AD (Gungor, A. Dilek); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 2 Pages: 321-334 Published: 2010

Record 31 of 35

Title: On extended connectivity indices

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 46 Issue: 4 Pages: 1172-1180

DOI: 10.1007/s10910-008-9500-6 Published: NOV 2009

Record 32 of 35

Title: On a novel connectivity index

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 46 Issue: 4 Pages: 1252-1270

DOI: 10.1007/s10910-008-9515-z Published: NOV 2009

Record 33 of 35

Title: Comparison between the sum-connectivity index and product-connectivity index for benzenoid hydrocarbons

Author(s): Lucic, B (Lucic, Bono); Trinajstic, N (Trinajstic, Nenad); Zhou, B (Zhou, Bo)

Source: CHEMICAL PHYSICS LETTERS Volume: 475 Issue: 1-3 Pages: 146-148 DOI:

10.1016/j.cplett.2009.05.022 Published: JUN 16 2009

Record 34 of 35

Title: ON RANDIC INDICES OF CHEMICAL TREES AND CHEMICAL UNICYCLIC GRAPHS

Author(s): Du, ZB (Du, Zhibin); Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 62 Issue: 1 Pages: 131-142 Published: 2009

Record 35 of 35

Title: ON A CONJECTURE ON RANDIC INDICES

Author(s): Liu, BL (Liu, Bolian); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 62 Issue: 1 Pages: 143-154 Published: 2009

Stevanovic D, 2007, LINEAR ALGEBRA APPL, V423, P119, DOI 10.1016/j.laa.2006.11.026

Record 1 of 4

Title: Automorphism groups of rational circulant graphs

Author(s): Klin, M (Klin, Mikhail); Kovacs, I (Kovacs, Istvan)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 19 Issue: 1 Article Number: P35

Published: FEB 7 2012

Record 2 of 4

Title: Graphs for small multiprocessor interconnection networks

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Davidovic, T (Davidovic, Tatjana); Ilic, A (Ilic, Aleksandar); Simic, SK (Simic, Slobodan K.)

Source: APPLIED MATHEMATICS AND COMPUTATION Volume: 217 Issue: 6 Pages: 2468-2480

DOI: 10.1016/j.amc.2010.07.058 Published: NOV 15 2010

Record 3 of 4

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 4 of 4

Title: Graphs with integral spectrum

Author(s): Ahmadi, O (Ahmadi, Omran); Alon, N (Alon, Noga); Blake, IF (Blake, Ian F.); Shparlinski, IE (Shparlinski, Igor E.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 430 Issue: 1 Pages: 547-552 DOI:

10.1016/j.laa.2008.08.020 Published: JAN 1 2009

Stevanovic D, 2007, LINEAR ALGEBRA APPL, V423, P172, DOI 10.1016/j.laa.2006.11.027

Record 1 of 13

Title: On the seidel integral complete multipartite graphs

Author(s): Lv, SM (Lv, Sheng-mei); Wei, L (Wei, Liang); Zhao, HX (Zhao, Hai-xing)

Source: ACTA MATHEMATICAE APPLICATAE SINICA-ENGLISH SERIES Volume: 28 Issue: 4

Pages: 705-710 DOI: 10.1007/s10255-012-0126-x Published: OCT 2012

Record 2 of 13

Title: The efficiency and stability of R&D networks

Author(s): Konig, MD (Koenig, Michael D.); Battiston, S (Battiston, Stefano); Napoletano, M (Napoletano, Mauro); Schweitzer, F (Schweitzer, Frank)

Source: GAMES AND ECONOMIC BEHAVIOR Volume: 75 Issue: 2 Pages: 694-713 DOI:

10.1016/j.geb.2011.12.007 Published: JUL 2012

Record 3 of 13

Title: Spectral distances of graphs

Author(s): Jovanovic, I (Jovanovic, Irena); Stanic, Z (Stanic, Zoran)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 436 Issue: 5 Pages: 1425-1435

DOI: 10.1016/j.laa.2011.08.019 Published: MAR 1 2012

Record 4 of 13

Title: A NOTE ON STRONGLY REGULAR GRAPHS AND (k, τ) -REGULAR SETS

Author(s): Carvalho, P (Carvalho, Paula)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 25 Special Issue: SI Pages: 3-8

Published: 2012

Record 5 of 13

Title: On conjectures involving second largest signless Laplacian eigenvalue of graphs
 Author(s): Das, KC (Das, Kinkar Ch.)
 Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 11 Pages: 3018-3029
 DOI: 10.1016/j.laa.2010.01.005 Published: JUN 1 2010

Record 6 of 13

Title: Towards a spectral theory of graphs based on the signless Laplacian, II
 Author(s): Cvetkovic, D (Cvetkovic, Dragos); Simic, SK (Simic, Slobodan K.)
 Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI
 Pages: 2257-2272 DOI: 10.1016/j.laa.2009.05.020 Published: APR 15 2010
 Conference Title: Workshop on Spectral Graph Theory
 Conference Date: DEC 01-04, 2008
 Conference Location: Rio de Janeiro, BRAZIL
 Conference Host: Mil Inst Engn

Record 7 of 13

Title: Integral graphs and (κ, τ) -regular sets
 Author(s): Carvalho, P (Carvalho, Paula); Rama, P (Rama, Paula)
 Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI
 Pages: 2409-2417 DOI: 10.1016/j.laa.2009.07.032 Published: APR 15 2010
 Conference Title: Workshop on Spectral Graph Theory
 Conference Date: DEC 01-04, 2008
 Conference Location: Rio de Janeiro, BRAZIL
 Conference Host: Mil Inst Engn

Record 8 of 13

Title: TOWARDS A SPECTRAL THEORY OF GRAPHS BASED ON THE SIGNLESS LAPLACIAN, III
 Author(s): Cvetkovic, D (Cvetkovic, Dragos); Simic, SK (Simic, Slobodan K.)
 Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 4 Issue: 1 Pages:
 156-166 DOI: 10.2298/AADM1000001C Published: APR 2010

Record 9 of 13

Title: Graphs with maximal signless Laplacian spectral radius
 Author(s): Chang, TJ (Chang, Ting-Jung); Tam, BS (Tam, Bit-Shun)
 Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 7 Pages: 1708-1733
 DOI: 10.1016/j.laa.2009.11.027 Published: MAR 15 2010

Record 10 of 13

Title: On the reduced signless Laplacian spectrum of a degree maximal graph
 Author(s): Tam, BS (Tam, Bit-Shun); Wu, SH (Wu, Shu-Hui)
 Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 7 Pages: 1734-1756
 DOI: 10.1016/j.laa.2009.11.031 Published: MAR 15 2010

Record 11 of 13

Title: On the Conjecture for Certain Laplacian Integral Spectrum of Graphs
 Author(s): Das, KC (Das, Kinkar Ch.); Lee, SG (Lee, Sang-Gu); Cheon, GS (Cheon, Gi-Sang)
 Source: JOURNAL OF GRAPH THEORY Volume: 63 Issue: 2 Pages: 106-113 DOI:
 10.1002/jgt.20412 Published: FEB 2010

Record 12 of 13

Title: Developments on spectral characterizations of graphs

Author(s): van Dam, ER (van Dam, Edwin R.); Haemers, WH (Haemers, Willem H.)

Source: DISCRETE MATHEMATICS Volume: 309 Issue: 3 Pages: 576-586 DOI:

10.1016/j.disc.2008.08.019 Published: FEB 28 2009

Conference Title: International Workshop on Design Theory, Graph Theory and Computational Methods (IPM Combinatorics II)

Conference Date: APR 22-27, 2006

Conference Location: Tehran, IRAN

Record 13 of 13

Title: SOME RESULTS ON Q-INTEGRAL GRAPHS

Author(s): Stanic, Z (Stanic, Zoran)

Source: ARS COMBINATORIA Volume: 90 Pages: 321-335 Published: JAN 2009

Brankov V, 2006, LINEAR ALGEBRA APPL, V414, P407, DOI 10.1016/j.laa.2005.10.017

Record 1 of 6

Title: Sharp upper bounds on the spectral radius of the signless Laplacian matrix of a graph

Author(s): Maden, AD (Maden, A. Dilek (Gungor)); Das, KC (Das, Kinkar Ch.); Cevik, AS (Cevik, A. Sinan)

Source: APPLIED MATHEMATICS AND COMPUTATION Volume: 219 Issue: 10 Pages: 5025-5032

DOI: 10.1016/j.amc.2012.11.039 Published: JAN 15 2013

Record 2 of 6

Title: The spectrum and the signless Laplacian spectrum of coronae

Author(s): Cui, SY (Cui, Shu-Yu); Tian, GX (Tian, Gui-Xian)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 7 Pages: 1692-1703

DOI: 10.1016/j.laa.2012.05.019 Published: OCT 1 2012

Record 3 of 6

Title: Bounds for the (Laplacian) spectral radius of graphs with parameter alpha

Author(s): Tian, GX (Tian, Gui-Xian); Huang, TZ (Huang, Ting-Zhu)

Source: CZECHOSLOVAK MATHEMATICAL JOURNAL Volume: 62 Issue: 2 Pages: 567-580 DOI:

10.1007/s10587-012-0030-9 Published: JUN 2012

Record 4 of 6

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 5 of 6

Title: Bounds on the index of the signless Laplacian of a graph

Author(s): Oliveira, CS (Oliveira, Carla Silva); de Lima, LS (de Lima, Leonardo Silva); de Abreu, NMM (Maia de Abreu, Nair Maria); Hansen, P (Hansen, Pierre)

Source: DISCRETE APPLIED MATHEMATICS Volume: 158 Issue: 4 Special Issue: SI Pages: 355-360 DOI: 10.1016/j.dam.2009.06.023 Published: FEB 28 2010

Conference Title: 6th Cologne/Twente Workshop on Graphs and Combinatorial Optimization (TW 2007)

Conference Date: MAY 29-31, 2007

Conference Location: Twente, NETHERLANDS

Conference Host: Univ Twente

Record 6 of 6

Title: Bounds for the Laplacian spectral radius of graphs

Author(s): Liu, HQ (Liu, Huiqing); Lu, M (Lu, Mei)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 58 Issue: 1 Pages: 113-119 DOI: 10.1080/03081080802450021 Published: 2010

Zhou B, 2006, MATCH-COMMUN MATH CO, V56, P571

Record 1 of 26

Title: On reformulated Zagreb indices

Author(s): Ilic, A (Ilic, Aleksandar); Zhou, B (Zhou, Bo)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 3 Pages: 204-209 DOI: 10.1016/j.dam.2011.09.021 Published: FEB 2012

Record 2 of 26

Title: Sharp Upper Bounds for Multiplicative Zagreb Indices

Author(s): Liu, JZ (Liu, Jingzhong); Zhang, QH (Zhang, Qianhong)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 68 Issue: 1 Pages: 231-240 Published: 2012

Record 3 of 26

Title: On the Zagreb indices equality

Author(s): Abdo, H (Abdo, Hosam); Dimitrov, D (Dimitrov, Darko); Gutman, I (Gutman, Ivan)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 1-2 Pages: 1-8 DOI: 10.1016/j.dam.2011.10.003 Published: JAN 2012

Record 4 of 26

Title: Relationship between the eccentric connectivity index and Zagreb indices

Author(s): Das, KC (Das, Kinkar Ch); Trinajstić, N (Trinajstić, N.)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 62 Issue: 4 Pages: 1758-1764 DOI: 10.1016/j.camwa.2011.06.017 Published: AUG 2011

Record 5 of 26

Title: On the Zagreb index inequality of graphs with prescribed vertex degrees

Author(s): Andova, V (Andova, Vesna); Bogoev, S (Bogoev, Saso); Dimitrov, D (Dimitrov, Darko); Pilipczuk, M (Pilipczuk, Marcin); Skrekovski, R (Skrekovski, Riste)

Source: DISCRETE APPLIED MATHEMATICS Volume: 159 Issue: 8 Pages: 852-858 DOI: 10.1016/j.dam.2011.01.002 Published: APR 28 2011

Record 6 of 26

Title: Graph Classes (Dis)satisfying the Zagreb Indices Inequality

Author(s): Andova, V (Andova, Vesna); Cohen, N (Cohen, Nathann); Skrekovski, R (Skrekovski, Riste)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
Volume: 65 Issue: 3 Pages: 647-658 Published: 2011

Record 7 of 26

Title: Some properties of the reformulated Zagreb indices

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 48 Issue: 3 Pages: 714-719 DOI:
10.1007/s10910-010-9704-4 Published: OCT 2010

Record 8 of 26

Title: On general sum-connectivity index

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 47 Issue: 1 Pages: 210-218 DOI:
10.1007/s10910-009-9542-4 Published: JAN 2010

Record 9 of 26

Title: On reverse degree distance

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 47 Issue: 1 Pages: 268-275 DOI:
10.1007/s10910-009-9568-7 Published: JAN 2010

Record 10 of 26

Title: Estimating the Wiener Index by Means of Number of Vertices, Number of Edges, and Diameter

Author(s): Das, KC (Das, Kinkar Ch.); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
Volume: 64 Issue: 3 Pages: 647-660 Published: 2010

Record 11 of 26

Title: Comparing Zagreb Indices of Cyclic Graphs

Author(s): Caporossi, G (Caporossi, Gilles); Hansen, P (Hansen, Pierre); Vukicevic, D (Vukicevic, Damir)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY
Volume: 63 Issue: 2 Pages: 441-451 Published: 2010

Record 12 of 26

Title: On extended connectivity indices

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 46 Issue: 4 Pages: 1172-1180
DOI: 10.1007/s10910-008-9500-6 Published: NOV 2009

Record 13 of 26

Title: On a novel connectivity index

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 46 Issue: 4 Pages: 1252-1270
DOI: 10.1007/s10910-008-9515-z Published: NOV 2009

Record 14 of 26

Title: Bounds on Harary index

Author(s): Das, KC (Das, Kinkar Ch.); Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, N.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 46 Issue: 4 Pages: 1377-1393
DOI: 10.1007/s10910-009-9522-8 Published: NOV 2009

Record 15 of 26

Title: ON THE LAPLACIAN ESTRADA INDEX OF A GRAPH

Author(s): Li, JX (Li, Jianxi); Shiu, WC (Shiu, Wai Chee); Chang, A (Chang, An)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 3 Issue: 1 Pages: 147-156 DOI: 10.2298/AADM0901147L Published: APR 2009

Record 16 of 26

Title: On Harary index

Author(s): Zhou, B (Zhou, Bo); Cai, XC (Cai, Xiaochun); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 44 Issue: 2 Pages: 611-618 DOI: 10.1007/s10910-007-9339-2 Published: AUG 2008

Record 17 of 26

Title: On reciprocal molecular topological index

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 44 Issue: 1 Pages: 235-243 DOI: 10.1007/s10910-007-9306-y Published: JUL 2008

Record 18 of 26

Title: Estimating the Zagreb indices and the spectral radius of triangle- and quadrangle-free connected graphs

Author(s): Yamaguchi, S (Yamaguchi, Seiichi)

Source: CHEMICAL PHYSICS LETTERS Volume: 458 Issue: 4-6 Pages: 396-398 DOI: 10.1016/j.cplett.2008.05.009 Published: JUN 17 2008

Record 19 of 26

Title: Zagreb M-1 index, independence number and connectivity in graphs

Author(s): Hua, H (Hua, Hongbo)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 60 Issue: 1 Pages: 45-56 Published: 2008

Record 20 of 26

Title: On the largest eigenvalue of the distance matrix of a connected graph

Author(s): Zhou, B (Zhou, Bo); Trinajstic, N (Trinajstic, Nenad)

Source: CHEMICAL PHYSICS LETTERS Volume: 447 Issue: 4-6 Pages: 384-387 DOI: 10.1016/j.cplett.2007.09.048 Published: OCT 25 2007

Record 21 of 26

Title: Comparing the Zagreb indices

Author(s): Hansen, P (Hansen, Pierre); Vukicevic, D (Vukicevic, Damir)

Source: CROATICA CHEMICA ACTA Volume: 80 Issue: 2 Pages: 165-168 Published: JUN 2007

Conference Title: 21st Dubrovnik International Course and Conference

Conference Date: JUN 19-24, 2006

Conference Location: Dubrovnik, CROATIA

Record 22 of 26

Title: Estrada index of acyclic molecules

Author(s): Gutman, I (Gutman, Ivan); Furtula, B (Furtula, Boris); Glisic, B (Glisic, Biljana); Markovic, V (Markovic, Violeta); Vesel, A (Vesel, Aleksander)

Source: INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 46 Issue: 5 Pages: 723-728 Published: MAY 2007

Record 23 of 26

Title: Upper bounds for the Zagreb indices and the spectral radius of series-parallel graphs

Author(s): Zhou, B (Zhou, Bo)

Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 107 Issue: 4 Pages: 875-878 DOI: 10.1002/qua.21223 Published: MAR 15 2007

Record 24 of 26

Title: Relating Estrada index with spectral radius

Author(s): Gutman, I (Gutman, Ivan); Radenkovic, S (Radenkovic, Slavko); Furtula, B (Furtula, Boris); Mansour, T (Mansour, Toufik); Schork, M (Schork, Matthias)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY Volume: 72 Issue: 12 Pages: 1321-1327 DOI: 10.2298/JSC0712321G Published: 2007

Record 25 of 26

Title: Remarks on zagreb indices

Author(s): Zhou, B (Zhou, Bo)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 57 Issue: 3 Pages: 591-596 Published: 2007

Record 26 of 26

Title: Estimating the zagreb and the general randic indices

Author(s): Liu, B (Liu, Bolian); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 57 Issue: 3 Pages: 617-632 Published: 2007

BRANKOV V, 2006, U BEOGRAD PUBL ELEKT, V17, P112

Record 1 of 2

Title: MULTIPROCESSOR INTERCONNECTION NETWORKS WITH SMALL TIGHTNESS

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Davidovic, T (Davidovic, Tatjana)

Source: INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE Volume: 20 Issue: 5 Pages: 941-963 DOI: 10.1142/S0129054109006978 Published: OCT 2009

Record 2 of 2

Title: ON A CLASS OF MAXIMAL REFLEXIVE theta-GRAPHS GENERATED BY SMITH GRAPHS

Author(s): Rasajski, M (Rasajski, Marija)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 1 Issue: 1 Pages: 241-250 Published: APR 2007

STEVANOVIC D, 2006, PUBL I MATH BEOGRAD, V79, P19, DOI 10.2298/PIM0693019S

Record 1 of 1

Title: On the power of combinatorial and spectral invariants

Author(s): Furer, M (Furer, Martin)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI Pages: 2373-2380 DOI: 10.1016/j.laa.2009.07.019 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Stevanovic D, 2005, LINEAR MULTILINEAR A, V53, P67, DOI 10.1080/03081080410001714705

Record 1 of 10

Title: EQUIENERGETIC SELF-COMPLEMENTARY GRAPHS

Author(s): Indulal, G (Indulal, G.); Vijayakumar, A (Vijayakumar, A.)

Source: CZECHOSLOVAK MATHEMATICAL JOURNAL Volume: 58 Issue: 4 Pages: 911-919

Published: DEC 2008

Record 2 of 10

Title: Constructing pairs of equienergetic and non-cospectral graphs

Author(s): Bonifacio, AS (Bonifacio, Andreas S.); Vinagre, CTM (Vinagre, Cybele T. M.); de Abreu, NMM (de Abreu, Nair Maria Maia)

Source: APPLIED MATHEMATICS LETTERS Volume: 21 Issue: 4 Pages: 338-341 DOI:

10.1016/j.aml.2007.04.002 Published: APR 2008

Record 3 of 10

Title: Distance equienergetic graphs

Author(s): Ramane, HS (Ramane, H. S.); Gutman, I (Gutman, I.); Revankar, DS (Revankar, D. S.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 60 Issue: 2 Pages: 473-484 Published: 2008

Record 4 of 10

Title: On a pair of equienergetic graphs

Author(s): Liu, J (Liu, Jianping); Liu, B (Liu, Behan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 59 Issue: 2 Pages: 275-278 Published: 2008

Record 5 of 10

Title: Energies of some non-regular graphs

Author(s): Indulal, G (Indulal, G.); Vijayakumar, A (Vijayakumar, A.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 42 Issue: 3 Pages: 377-386 DOI:

10.1007/s10910-006-9108-7 Published: OCT 2007

Record 6 of 10

Title: On spectral moments and energy of graphs

Author(s): Zhou, B (Zhou, Bo); Gutman, I (Gutman, Ivan); de la Pena, JA (de la Pena, Jose Antonio); Rada, J (Rada, Juan); Mendoza, L (Mendoza, Leonel)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 57 Issue: 1 Pages: 183-191 Published: 2007

Record 7 of 10

Title: Construction of equienergetic graphs

Author(s): Ramane, HS (Ramane, H. S.); Walikar, HB (Walikar, H. B.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 57 Issue: 1 Pages: 203-210 Published: 2007

Record 8 of 10

Title: Laplacian energy of a graph

Author(s): Gutman, I (Gutman, I); Zhou, B (Zhou, B)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 414 Issue: 1 Pages: 29-37 DOI:

10.1016/j.laa.2005.09.008 Published: APR 1 2006

Record 9 of 10

Title: Chemical graph theory - The mathematical connection

Author(s): Gutman, I (Gutman, Ivan)

Editor(s): Sabin JR; Brandas E

Source: ADVANCES IN QUANTUM CHEMISTRY, VOL 51 Book Series: ADVANCES IN QUANTUM CHEMISTRY Volume: 51 Pages: 125-138 DOI: 10.1016/S0065-3276(06)51003-2 Published: 2006

Record 10 of 10

Title: On a pair of equienergetic graphs

Author(s): Indulal, G (Indulal, G); Vijayakumar, A (Vijayakumar, A)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 55 Issue: 1 Pages: 83-90 Published: 2006

Stevanovic D, 2005, LINEAR ALGEBRA APPL, V400, P345, DOI 10.1016/j.laa.2005.01.001

Record 1 of 16

Title: ON THE ENERGY OF 3-CIRCULANT GRAPHS

Author(s): Zhou, HQ (Zhou, Houqing); Zhou, Q (Zhou, Qi)

Source: ARS COMBINATORIA Volume: 108 Pages: 297-304 Published: JAN 2013

Record 2 of 16

Title: Integral circulant graphs of prime power order with maximal energy

Author(s): Sander, JW (Sander, J. W.); Sander, T (Sander, T.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 12 Pages: 3212-3232

DOI: 10.1016/j.laa.2011.05.039 Published: DEC 15 2011

Record 3 of 16

Title: All primitive strongly regular graphs except four are hyperenergetic

Author(s): Panigrahi, P (Panigrahi, Pratima); Mohapatra, RN (Mohapatra, R. N.)

Source: APPLIED MATHEMATICS LETTERS Volume: 24 Issue: 12 Pages: 1995-1997 DOI:

10.1016/j.aml.2011.05.026 Published: DEC 2011

Record 4 of 16

Title: THE ENERGY OF INTEGRAL CIRCULANT GRAPHS WITH PRIME POWER ORDER

Author(s): Sander, JW (Sander, J. W.); Sander, T (Sander, T.)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 5 Issue: 1 Pages: 22-

36 DOI: 10.2298/AADM110131003S Published: APR 2011

Record 5 of 16

Title: The energy of a type of lattice

Author(s): Ye, LZ (Ye, Luzhen)

Source: APPLIED MATHEMATICS LETTERS Volume: 24 Issue: 2 Pages: 145-148 DOI:

10.1016/j.aml.2010.08.034 Published: FEB 2011

Record 6 of 16

Title: Triply Equienergetic Graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 189-200 Published: 2010

Record 7 of 16

Title: The energy of unitary cayley graphs

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 10 Pages: 1881-1889

DOI: 10.1016/j.laa.2009.06.025 Published: OCT 15 2009

Record 8 of 16

Title: On the Energy of Unitary Cayley Graphs

Author(s): Ramaswamy, HN (Ramaswamy, H. N.); Veena, CR (Veena, C. R.)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 16 Issue: 1 Article Number: N24

Published: JUL 24 2009

Record 9 of 16

Title: REMARKS ON SOME GRAPHS WITH LARGE NUMBER OF EDGES

Author(s): So, WS (So, Wasin)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 61 Issue: 2 Pages: 351-359 Published: 2009

Record 10 of 16

Title: Kneser Graphs and their Complements are Hyperenergetic

Author(s): Akbari, S (Akbari, S.); Moazami, F (Moazami, F.); Zare, S (Zare, S.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 61 Issue: 2 Pages: 361-368 Published: 2009

Record 11 of 16

Title: On the average energy of circulant graphs

Author(s): Blackburn, SR (Blackburn, Simon R.); Shparlinski, IE (Shparlinski, Igor E.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 428 Issue: 8-9 Pages: 1956-1963

DOI: 10.1016/j.laa.2007.11.003 Published: APR 15 2008

Record 12 of 16

Title: The energy of graphs and matrices

Author(s): Nikiforov, V (Nikiforov, Vladimir)

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS Volume: 326 Issue: 2

Pages: 1472-1475 DOI: 10.1016/j.jmaa.2006.03.072 Published: FEB 15 2007

Record 13 of 16

Title: On spectral moments and energy of graphs

Author(s): Zhou, B (Zhou, Bo); Gutman, I (Gutman, Ivan); de la Pena, JA (de la Pena, Jose Antonio);

Rada, J (Rada, Juan); Mendoza, L (Mendoza, Leonel)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 57 Issue: 1 Pages: 183-191 Published: 2007

Record 14 of 16

Title: Laplacian energy of a graph

Author(s): Gutman, I (Gutman, I); Zhou, B (Zhou, B)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 414 Issue: 1 Pages: 29-37 DOI:

10.1016/j.laa.2005.09.008 Published: APR 1 2006

Record 15 of 16

Title: On the energy of some circulant graphs

Author(s): Shparlinski, I (Shparlinski, I)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 414 Issue: 1 Pages: 378-382 DOI:

10.1016/j.laa.2005.10.020 Published: APR 1 2006

Record 16 of 16

Title: On a pair of equienergetic graphs

Author(s): Indulal, G (Indulal, G); Vijayakumar, A (Vijayakumar, A)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 55 Issue: 1 Pages: 83-90 Published: 2006

Stevanovic D, 2005, DIMACS SER DISCRET M, V69, P365

Record 1 of 2

Title: Spectral Properties of Fullerene Graphs

Author(s): Doslic, T (Doslic, Tomislav); Tamas, R (Tamas Reti)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 66 Issue: 3 Pages: 733-742 Published: 2011

Record 2 of 2

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Hansen P, 2005, DIMACS SER DISCRET M, V69, P231**HANSEN P, 2005, DIMACS SERIES DISCRE, P231**

Record 1 of 4

Title: Variable neighbourhood search: methods and applications

Author(s): Hansen, P (Hansen, Pierre); Mladenovic, N (Mladenovic, Nenad); Perez, JAM (Moreno Perez, Jose A.)

Source: ANNALS OF OPERATIONS RESEARCH Volume: 175 Issue: 1 Pages: 367-407 DOI: 10.1007/s10479-009-0657-6 Published: MAR 2010

Record 2 of 4

Title: Variable neighbourhood search: methods and applications

Author(s): Hansen, P (Hansen, Pierre); Mladenovic, N (Mladenovic, Nenad); Moreno Perez, JA (Moreno Perez, Jose A.)

Source: 4OR-A QUARTERLY JOURNAL OF OPERATIONS RESEARCH Volume: 6 Issue: 4 Pages: 319-360 DOI: 10.1007/s10288-008-0089-1 Published: DEC 2008

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Title: Facet defining inequalities among graph invariants: The system GraPHedron

Author(s): Melot, H (Melot, Hadrien)

Source: DISCRETE APPLIED MATHEMATICS Volume: 156 Issue: 10 Pages: 1875-1891 DOI: 10.1016/j.dam.2007.09.005 Published: MAY 28 2008

Record 4 of 4

Title: Automated results and conjectures on average distance in graphs

Author(s): Aouchiche, M (Aouchiche, Mustapha); Hansen, P (Hansen, Pierre)

Editor(s): Bondy A; Fonlupt J; Fouquet JL; Fournier JC; Alfonsin JLR

Source: Graph Theory in Paris: PROCEEDINGS OF A CONFERENCE IN MEMORY OF CALUDE BERGE Book Series: TRENDS IN MATHEMATICS Pages: 21-36 DOI: 10.1007/978-3-7643-7400-6_3 Published: 2007

Conference Title: International Conference on Graph Theory held in Memory of Claude Berge (GT04)

Conference Date: JUL, 2004

Conference Location: Paris, FRANCE

CVETKOVIC D, 2004, MATCH COMMUN MATH CO, V50, P62

Record 1 of 2

Title: FULLERENES VIA THEIR AUTOMORPHISM GROUPS

Author(s): Kutnar, K (Kutnar, Klavdija); Marusic, D (Marusic, Dragan); Janezic, D (Janezic, Dusanka)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 63 Issue: 2 Pages: 267-282 Published: 2010

Record 2 of 2

Title: On cyclic edge-connectivity of fullerenes

Author(s): Kutnar, K (Kutnar, Klavdija); Marusic, D (Marusic, Dragan)

Source: DISCRETE APPLIED MATHEMATICS Volume: 156 Issue: 10 Pages: 1661-1669 DOI:

10.1016/j.dam.2007.08.046 Published: MAY 28 2008

Stevanovic D, 2004, J COMB THEORY B, V91, P143, DOI 10.1016/j.jctb.2003.12.002

Record 1 of 15

Title: On the signless Laplacian spectral radius of irregular graphs

Author(s): Ning, WJ (Ning, Wenjie); Li, H (Li, Hao); Lu, M (Lu, Mei)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 5 Pages: 2280-2288

DOI: 10.1016/j.laa.2012.10.024 Published: MAR 1 2013

Record 2 of 15

Title: Spectral radius and Hamiltonian graphs

Author(s): Lu, M (Lu, Mei); Liu, HQ (Liu, Huiqing); Tian, F (Tian, Feng)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 7 Pages: 1670-1674

DOI: 10.1016/j.laa.2012.05.021 Published: OCT 1 2012

Record 3 of 15

Title: Bounds for the spectral radius of a graph when nodes are removed

Author(s): Li, C (Li, Cong); Wang, HJ (Wang, Huijuan); Van Mieghem, P (Van Mieghem, Piet)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 1 Pages: 319-323 DOI:

10.1016/j.laa.2012.02.023 Published: JUL 1 2012

Record 4 of 15

Title: Some bounds on the largest eigenvalues of graphs

Author(s): Li, SC (Li, Shuchao); Tian, Y (Tian, Yi)

Source: APPLIED MATHEMATICS LETTERS Volume: 25 Issue: 3 Pages: 326-332 DOI:

10.1016/j.aml.2011.09.009 Published: MAR 2012

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Title: THE LAPLACIAN SPECTRAL RADIUS OF GRAPHS

Author(s): Li, JX (Li, Jianxi); Shiu, WC (Shiu, Wai Chee); Chang, A (Chang, An)

Source: CZECHOSLOVAK MATHEMATICAL JOURNAL Volume: 60 Issue: 3 Pages: 835-847

Published: SEP 2010

Record 6 of 15

Title: A function on bounds of the spectral radius of graphs

Author(s): Hu, SB (Hu, Shengbiao)

Source: ARS COMBINATORIA Volume: 96 Pages: 115-128 Published: JUL 2010

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Title: ON $\lambda(1)$ -EXTREMAL NON-REGULAR GRAPHS

Author(s): Liu, BL (Liu, Bolian); Huang, YF (Huang, Yufei); You, ZF (You, Zhifu)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 18 Pages: 735-744 Published: NOV 2009

Record 8 of 15

Title: The spectral radius of irregular graphs

Author(s): Shi, LS (Shi, Lingsheng)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 1-2 Pages: 189-196

DOI: 10.1016/j.laa.2009.02.023 Published: JUL 1 2009

Record 9 of 15

Title: MATRIX NORMS AND RAPID MIXING FOR SPIN SYSTEMS

Author(s): Dyer, M (Dyer, Martin); Goldberg, LA (Goldberg, Leslie Ann); Jerrum, M (Jerrum, Mark)

Source: ANNALS OF APPLIED PROBABILITY Volume: 19 Issue: 1 Pages: 71-107 DOI:

10.1214/08-AAP532 Published: FEB 2009

Record 10 of 15

Title: A note on the largest eigenvalue of non-regular graphs

Author(s): Liu, B (Liu, Bolian); Li, G (Li, Gang)

Source: ELECTRONIC JOURNAL OF LINEAR ALGEBRA Volume: 17 Pages: 54-61 Published: FEB 2008

Record 11 of 15

Title: On the largest eigenvalue of non-regular graphs

Author(s): Liu, BL (Liu, Bolian); Shen, J (Shen, Jian); Wang, XM (Wang, Xinmao)

Source: JOURNAL OF COMBINATORIAL THEORY SERIES B Volume: 97 Issue: 6 Pages: 1010-1018 DOI: 10.1016/j.jctb.2007.02.008 Published: NOV 2007

Record 12 of 15

Title: The spectral radius and the maximum degree of irregular graphs

Author(s): Cioaba, SM (Cioaba, Sebastian M.)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 14 Issue: 1 Article Number: R38

Published: MAY 23 2007

Record 13 of 15

Title: Extreme eigenvalues of nonregular graphs

Author(s): Cioaba, SM (Cioaba, Sebastian M.); Gregory, DA (Gregory, David A.); Nikiforov, V (Nikiforov, Vladimir)

Source: JOURNAL OF COMBINATORIAL THEORY SERIES B Volume: 97 Issue: 3 Pages: 483-486

DOI: 10.1016/j.jctb.2006.07.006 Published: MAY 2007

Record 14 of 15

Title: Bounds on the (Laplacian) spectral radius of graphs

Author(s): Shi, LS (Shi, Lingsheng)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 422 Issue: 2-3 Pages: 755-770

DOI: 10.1016/j.laa.2006.12.003 Published: APR 15 2007

Record 15 of 15

Title: Eigenvectors and eigenvalues of non-regular graphs

Author(s): Zhang, XD (Zhang, XD)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 409 Pages: 79-86 DOI:

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Stevanovic D, 2004, APPL MATH LETT, V17, P337, DOI 10.1016/S0893-9659(04)00016-3

Record 1 of 2

Title: Edge regular graph products

Author(s): Frelj, B (Frelj, Bostjan); Miklavic, S (Miklavic, Stefko)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 20 Issue: 1 Article Number: P62

Published: MAR 24 2013

Record 2 of 2

Title: Distance spectrum of graph compositions

Author(s): Indulal, G (Indulal, Gopalapillai)

Source: ARS MATHEMATICA CONTEMPORANEA Volume: 2 Issue: 1 Pages: 93-100 Published:

SPR-SUM 2009

Brankov V, 2004, J SERB CHEM SOC, V69, P549, DOI 10.2298/JSC0407549B

Record 1 of 12

Title: New results on the energy of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan)

Source: APPLIED MATHEMATICS AND COMPUTATION Volume: 218 Issue: 7 Pages: 3470-3482

DOI: 10.1016/j.amc.2011.08.094 Published: DEC 1 2011

Record 2 of 12

Title: E-L Equienergetic Graphs

Author(s): Liu, JP (Liu, Jianping); Liu, BL (Liu, Bolian)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 66 Issue: 3 Pages: 971-976 Published: 2011

Record 3 of 12

Title: Distance spectra and distance energy of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 5 Pages: 1005-1014

DOI: 10.1016/j.laa.2010.04.034 Published: OCT 15 2010

Record 4 of 12

Title: Triply Equienergetic Graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 189-200 Published: 2010

Record 5 of 12

Title: Graphs equienergetic with edge-deleted subgraphs

Author(s): Li, CK (Li, Chi-Kwong); So, WS (So, Wasin)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 57 Issue: 7 Pages: 683-693 DOI:

10.1080/03081080802253730 Published: OCT 2009

Record 6 of 12

Title: EQUIENERGETIC AND ALMOST-EQUIENERGETIC TREES

Author(s): Miljkovic, O (Miljkovic, Olga); Furtula, B (Furtula, Boris); Radenkovic, S (Radenkovic, Slavko); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 61 Issue: 2 Pages: 451-461 Published: 2009

Record 7 of 12

Title: MINIMAL LEL-EQUIENERGETIC GRAPHS

Author(s): Liu, JP (Liu, Jianping); Liu, BL (Liu, Bolian); Radenkovic, S (Radenkovic, Slavko); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 61 Issue: 2 Pages: 471-478 Published: 2009

Record 8 of 12

Title: On distance energy of graphs

Author(s): Indulal, G (Indulal, Gopalapillai); Gutman, I (Gutman, Ivan); Vijayakumar, A (Vijayakumar, Ambat)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 60 Issue: 2 Pages: 461-472 Published: 2008

Record 9 of 12

Title: Distance equienergetic graphs

Author(s): Ramane, HS (Ramane, H. S.); Gutman, I (Gutman, I.); Revankar, DS (Revankar, D. S.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 60 Issue: 2 Pages: 473-484 Published: 2008

Record 10 of 12

Title: On a pair of equienergetic graphs

Author(s): Liu, J (Liu, Jianping); Liu, B (Liu, Behan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 59 Issue: 2 Pages: 275-278 Published: 2008

Record 11 of 12

Title: Construction of equienergetic graphs

Author(s): Ramane, HS (Ramane, H. S.); Walikar, HB (Walikar, H. B.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 57 Issue: 1 Pages: 203-210 Published: 2007

Record 12 of 12

Title: Topology and stability of conjugated hydrocarbons. The dependence of total pi-electron energy on molecular topology

Author(s): Gutman, I (Gutman, I)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY Volume: 70 Issue: 3 Pages: 441-456

DOI: 10.2298/JSC0503441G Published: 2005

Gutman I, 2004, J SERB CHEM SOC, V69, P777, DOI 10.2298/JSC0410777G**GUTMAN I, 2004, J SERB CHEM SOC, V69, P779**

Record 1 of 4

Title: Estrada index of acyclic molecules

Author(s): Gutman, I (Gutman, Ivan); Furtula, B (Furtula, Boris); Glisic, B (Glisic, Biljana); Markovic, V (Markovic, Violeta); Vesel, A (Vesel, Aleksander)

Source: INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 46 Issue: 5 Pages: 723-728 Published:

MAY 2007

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Title: Total pi-electron energy and Laplacian energy: How far the analogy goes?

Author(s): Radenkovic, S (Radenkovic, Slavko); Gutman, I (Gutman, Ivan)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY Volume: 72 Issue: 12 Pages: 1343-1350 DOI: 10.2298/JSC0712343R Published: 2007

Record 3 of 4

Title: Construction of equienergetic graphs

Author(s): Ramane, HS (Ramane, H. S.); Walikar, HB (Walikar, H. B.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 57 Issue: 1 Pages: 203-210 Published: 2007

Record 4 of 4

Title: Topology and stability of conjugated hydrocarbons. The dependence of total pi-electron energy on molecular topology

Author(s): Gutman, I (Gutman, I)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY Volume: 70 Issue: 3 Pages: 441-456

DOI: 10.2298/JSC0503441G Published: 2005

Dress A, 2004, APPL MATH LETT, V17, P623, DOI 10.1016/j.aml.2004.04.002

Record 1 of 2

Title: Bicyclic graphs with exactly two main eigenvalues

Author(s): Hu, ZQ (Hu, Zhiquan); Li, SC (Li, Shuchao); Zhu, CF (Zhu, Chunfeng)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 10 Pages: 1848-1857

DOI: 10.1016/j.laa.2009.06.022 Published: OCT 15 2009

Record 2 of 2

Title: Unicyclic graphs with exactly two main eigenvalues

Author(s): Hou, YP (Hou, Yaoping); Tian, F (Tian, Feng)

Source: APPLIED MATHEMATICS LETTERS Volume: 19 Issue: 11 Pages: 1143-1147 DOI:

10.1016/j.aml.2005.11.025 Published: NOV 2006

DRESS A, 2004, ANN COMB, V8, P487

Record 1 of 3

Title: Retarded regular graphs are regular or semiregular

Author(s): De La Pena, JA (De La Pena, Jose A.); Gutman, I (Gutman, Ivan); Rada, J (Rada, Juan)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 56 Issue: 5 Pages: 507-509 DOI:

10.1080/03081080701365759 Published: 2008

Record 2 of 3

Title: Homomorphisms, representations and characteristic polynomials of digraphs

Author(s): Deng, AP (Deng, Aiping); Sato, I (Sato, Iwao); Wu, YK (Wu, Yaokun)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 423 Issue: 2-3 Pages: 386-407

DOI: 10.1016/j.laa.2007.01.010 Published: JUN 1 2007

Record 3 of 3

Title: Characteristic polynomials of ramified uniform covering digraphs

Author(s): Deng, AP (Deng, Aiping); Sato, I (Sato, Iwao); Wu, YK (Wu, Yaokun)

Source: EUROPEAN JOURNAL OF COMBINATORICS Volume: 28 Issue: 4 Pages: 1099-1114

DOI: 10.1016/j.ejc.2006.04.001 Published: MAY 2007

Fowler PW, 2003, MATCH-COMMUN MATH CO, P37
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Record 1 of 7

Title: ODD CYCLE TRANSVERSALS AND INDEPENDENT SETS IN FULLERENE GRAPHS

Author(s): Faria, L (Faria, Luerbio); Klein, S (Klein, Sulamita); Stehlik, M (Stehlik, Matej)

Source: SIAM JOURNAL ON DISCRETE MATHEMATICS Volume: 26 Issue: 3 Pages: 1458-1469

DOI: 10.1137/120870463 Published: 2012

Record 2 of 7

Title: On the Diameter and Related Invariants of Fullerene Graphs

Author(s): Andova, V (Andova, Vesna); Doslic, T (Doslic, Tomislav); Krnc, M (Krnc, Matjaz); Luzar, B (Luzar, Borut); Skrekovski, R (Skrekovski, Riste)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 68 Issue: 1 Pages: 109-130 Published: 2012

Record 3 of 7

Title: On the vertex degree indices of connected graphs

Author(s): Doslic, T (Doslic, Tomislav); Reti, T (Reti, Tamas); Vukicevic, D (Vukicevic, Damir)

Source: CHEMICAL PHYSICS LETTERS Volume: 512 Issue: 4-6 Pages: 283-286 DOI:

10.1016/j.cplett.2011.07.040 Published: AUG 25 2011

Record 4 of 7

Title: Spectral Properties of Fullerene Graphs

Author(s): Doslic, T (Doslic, Tomislav); Tamas, R (Tamas Reti)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 66 Issue: 3 Pages: 733-742 Published: 2011

Record 5 of 7

Title: CaGe - a Virtual Environment for Studying Some Special Classes of Plane Graphs - an Update

Author(s): Brinkmann, G (Brinkmann, Gunnar); Friedrichs, OD (Friedrichs, Olaf Delgado); Liskens, S (Liskens, Sebastian); Peeters, A (Peeters, Adriaan); Van Cleemput, N (Van Cleemput, Nicolas)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 63 Issue: 3 Pages: 533-552 Published: 2010

Record 6 of 7

Title: Bipartivity of fullerene graphs and fullerene stability

Author(s): Doslic, T (Doslic, T)

Source: CHEMICAL PHYSICS LETTERS Volume: 412 Issue: 4-6 Pages: 336-340 DOI:

10.1016/j.cplett.2005.07.013 Published: SEP 5 2005

Record 7 of 7

Title: Enumerating molecules

Author(s): Faulon, JL (Faulon, JL); Visco, DP (Visco, DP); Roe, D (Roe, D)

Editor(s): Lipkowitz KB; Larter R; Cundari TR

Source: REVIEWS IN COMPUTATIONAL CHEMISTRY, VOL 21 Book Series: REVIEWS IN

COMPUTATIONAL CHEMISTRY Volume: 21 Pages: 209-286 DOI: 10.1002/0471720895.ch3

Published: 2005

Stevanovic D, 2003, LINEAR ALGEBRA APPL, V360, P35, DOI 10.1016/S0024-3795(02)00442-1

Record 1 of 17

Title: Mysteries around the graph Laplacian eigenvalue 4

Author(s): Nakatsukasa, Y (Nakatsukasa, Yuji); Saito, N (Saito, Naoki); Woei, E (Woei, Ernest)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 8 Pages: 3231-3246

DOI: 10.1016/j.laa.2012.12.012 Published: APR 15 2013

Record 2 of 17

Title: MATRIX NORMS AND RAPID MIXING FOR SPIN SYSTEMS

Author(s): Dyer, M (Dyer, Martin); Goldberg, LA (Goldberg, Leslie Ann); Jerrum, M (Jerrum, Mark)

Source: ANNALS OF APPLIED PROBABILITY Volume: 19 Issue: 1 Pages: 71-107 DOI:

10.1214/08-AAP532 Published: FEB 2009

Record 3 of 17

Title: The least eigenvalue of graphs with given connectivity

Author(s): Ye, ML (Ye, Miao-Lin); Fan, YZ (Fan, Yi-Zheng); Liang, D (Liang, Dong)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 430 Issue: 4 Pages: 1375-1379

DOI: 10.1016/j.laa.2008.10.031 Published: FEB 1 2009

Record 4 of 17

Title: On the Spectral Radius of Bistarlike Tree

Author(s): Wu, TZ (Wu, Tingzeng); Hu, SB (Hu, Shengbiao)

Editor(s): Xu CQ; Xu GH; Zhang JL

Source: PROCEEDINGS OF THE THIRD INTERNATIONAL WORKSHOP ON MATRIX ANALYSIS AND APPLICATIONS, VOL 3 Pages: 24-28 Published: 2009

Conference Title: 3rd International Workshop on Matrix Analysis and Applications

Conference Date: JUL 09-13, 2009

Conference Location: Hangzhou, PEOPLES R CHINA

Record 5 of 17

Title: Laplacian spectral radius of trees with given maximum degree

Author(s): Yu, AM (Yu, Aimei); Lu, M (Lu, Mei)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 429 Issue: 8-9 Pages: 1962-1969

DOI: 10.1016/j.laa.2008.05.028 Published: OCT 16 2008

Record 6 of 17

Title: The Laplacian spectral radii of trees with degree sequences

Author(s): Zhang, XD (Zhang, Xiao-Dong)

Source: DISCRETE MATHEMATICS Volume: 308 Issue: 15 Pages: 3143-3150 DOI:

10.1016/j.disc.2007.06.017 Published: AUG 6 2008

Record 7 of 17

Title: New upper bounds on the spectral radius of unicyclic graphs

Author(s): Rojo, O (Rojo, Oscar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 428 Issue: 4 Pages: 754-764 DOI:

10.1016/j.laa.2007.08.005 Published: FEB 1 2008

Record 8 of 17

Title: An explicit formula for eigenvalues of Bethe trees and upper bounds on the largest eigenvalue of any tree

Author(s): Rojo, O (Rojo, Oscar); Robbiano, M (Robbiano, Maria)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 427 Issue: 1 Pages: 138-150 DOI:

10.1016/j.laa.2007.06.024 Published: NOV 1 2007

Record 9 of 17

Title: The largest eigenvalue of unicyclic graphs

Author(s): Hu, SB (Hu, Shengbiao)

Source: DISCRETE MATHEMATICS Volume: 307 Issue: 2 Pages: 280-284 DOI: 10.1016/j.disc.2006.06.023 Published: JAN 28 2007

Record 10 of 17

Title: Investigation on the spectrum of graph $G(l)$

Author(s): Yin, SH (Yin, Shuhua)

Editor(s): SanchezTorrubia MG

Source: PROCEEDINGS OF THE 6TH WSEAS INTERNATIONAL CONFERENCE ON E-ACTIVITIES: E-ACTIVITIES: NETWORKING THE WORLD Book Series: ELECTRICAL AND COMPUTER ENGINEERING Pages: 60-64 Published: 2007

Conference Title: 6th WSEAS International Conference on E-ACTIVITIES

Conference Date: DEC 14-16, 2007

Conference Location: Puerto de la Cruz, SPAIN

Record 11 of 17

Title: Ordering trees by their largest eigenvalues

Author(s): Lin, WS (Lin, Wenshui); Guo, XF (Guo, Xiaofeng)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 418 Issue: 2-3 Pages: 450-456 DOI: 10.1016/j.laa.2006.02.035 Published: OCT 15 2006

Record 12 of 17

Title: The spectra of some trees and bounds for the largest eigenvalue of any tree

Author(s): Rojo, O (Rojo, O)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 414 Issue: 1 Pages: 199-217 DOI: 10.1016/j.laa.2005.09.018 Published: APR 1 2006

Record 13 of 17

Title: On the spectral radius of trees with fixed diameter

Author(s): Guo, JM (Guo, JM); Shao, JY (Shao, JY)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 413 Issue: 1 Pages: 131-147 DOI: 10.1016/j.laa.2005.08.008 Published: FEB 1 2006

Record 14 of 17

Title: Ordering trees by their Laplacian spectral radii

Author(s): Yu, AM (Yu, AM); Lu, M (Lu, M); Tian, F (Tian, F)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 405 Pages: 45-59 DOI: 10.1016/j.laa.2005.02.043 Published: AUG 1 2005

Record 15 of 17

Title: Improved bounds for the largest eigenvalue of trees

Author(s): Rojo, O (Rojo, O)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 404 Pages: 297-304 DOI: 10.1016/j.laa.2005.02.023 Published: JUL 15 2005

Record 16 of 17

Title: The index of trees with specified maximum degree

Author(s): Simic, SK (Simic, SK); Tomic, DV (Tomic, DV)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 54 Issue: 2 Pages: 351-362 Published: 2005

Record 17 of 17

Title: Sharp lower bounds on the Laplacian eigenvalues of trees

Author(s): Das, KC (Das, KC)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 384 Pages: 155-169 DOI: 10.1016/j.laa.2004.01.012 Published: JUN 1 2004

Dress A, 2003, APPL MATH LETT, V16, P297, DOI 10.1016/S0893-9659(03)80047-2

Record 1 of 3

Title: On graphs with given main eigenvalues

Author(s): Shi, LS (Shi, Lingsheng)

Source: APPLIED MATHEMATICS LETTERS Volume: 22 Issue: 12 Pages: 1870-1874 DOI: 10.1016/j.aml.2009.06.027 Published: DEC 2009

Record 2 of 3

Title: Hoffman polynomials of nonnegative irreducible matrices and strongly connected digraphs

Author(s): Wu, YK (Wu, YK); Deng, AP (Deng, AP)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 414 Issue: 1 Pages: 138-171 DOI: 10.1016/j.laa.2005.09.012 Published: APR 1 2006

Record 3 of 3

Title: A note on Hoffman-type identities of graphs

Author(s): Hou, YP (Hou, YP); Tian, F (Tian, F)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 402 Pages: 143-149 DOI: 10.1016/j.laa.2004.12.017 Published: JUN 1 2005

CVETKOVIC D, 2003, PUBL I MATH BEOGRAD, V73, P39, DOI 10.2298/PIM0373039C

Record 1 of 1

Title: Graphs for which the least eigenvalue is minimal, I

Author(s): Bell, FK (Bell, Francis K.); Cvetkovic, D (Cvetkovic, Dragos); Rowlinson, P (Rowlinson, Peter); Simic, SK (Simic, Slobodan K.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 429 Issue: 1 Pages: 234-241 DOI: 10.1016/j.laa.2008.02.032 Published: JUL 1 2008

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Record 1 of 1

Title: Towards a spectral theory of graphs based on the signless Laplacian, II

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Simic, SK (Simic, Slobodan K.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI Pages: 2257-2272 DOI: 10.1016/j.laa.2009.05.020 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

STEVANOVIC D, 2003, U BEOGRAD PUBL ELEKT, V14, P99

Record 1 of 3

Title: Integral Quartic Cayley Graphs on Abelian Groups

Author(s): Abdollahi, A (Abdollahi, A.); Vatandoost, E (Vatandoost, E.)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 18 Issue: 1 Article Number: P89 Published: APR 14 2011

Record 2 of 3

Title: SOME RESULTS ON Q-INTEGRAL GRAPHS

Author(s): Stanic, Z (Stanic, Zoran)

Source: ARS COMBINATORIA Volume: 90 Pages: 321-335 Published: JAN 2009

Record 3 of 3

Title: Q-integral graphs with edge-degrees at most five

Author(s): Simic, SK (Simic, Slobodan K.); Stanic, Z (Stanic, Zoran)

Source: DISCRETE MATHEMATICS Volume: 308 Issue: 20 Pages: 4625-4634 DOI:

10.1016/j.disc.2007.08.055 Published: OCT 28 2008

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Record 1 of 7

Title: On the spectral radius of quasi-k-cyclic graphs

Author(s): Geng, XY (Geng, Xianya); Li, SC (Li, Shuchao); Simic, SK (Simic, Slobodan K.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 8-10 Pages: 1561-1572

DOI: 10.1016/j.laa.2010.06.007 Published: DEC 15 2010

Record 2 of 7

Title: Bounds and conjectures for the signless Laplacian index of graphs

Author(s): Hansen, P (Hansen, Pierre); Lucas, C (Lucas, Claire)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 12 Pages: 3319-3336

DOI: 10.1016/j.laa.2010.01.027 Published: JUL 1 2010

Record 3 of 7

Title: Old and new results on algebraic connectivity of graphs

Author(s): de Abreu, NMM (de Abreu, Nair Maria Maia)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 423 Issue: 1 Pages: 53-73 DOI:

10.1016/j.laa.2006.08.017 Published: MAY 1 2007

Conference Title: Aveiro Workshop on Graph Spectra

Conference Date: APR 10-12, 2006

Conference Location: Aveiro, PORTUGAL

Conference Host: Univ Aveiro, Math Dept

Record 4 of 7

Title: Maximal reflexive cacti with four cycles: The approach via Smith graphs

Author(s): Rasajski, M (Rasajski, M.); Radosavljevic, Z (Radosavljevic, Z.); Mihailovic, B (Mihailovic, B.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 10 Special Issue: SI

Pages: 2530-2543 DOI: 10.1016/j.laa.2011.04.023 Published: NOV 15 2011

Record 5 of 7

Title: On determination of caterpillars with four terminal vertices by their Laplacian spectrum

Author(s): Stanic, Z (Stanic, Zoran)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 11 Pages: 2035-2048

DOI: 10.1016/j.laa.2009.06.041 Published: NOV 1 2009

Record 6 of 7

Title: On some forests determined by their Laplacian or signless Laplacian spectrum

Author(s): Simic, SK (Simic, Slobodan K.); Stanic, Z (Stanic, Zoran)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 58 Issue: 1 Pages: 171-178 DOI: 10.1016/j.camwa.2009.04.005 Published: JUL 2009

Record 7 of 7

Title: GrInVn in a nutshell

Author(s): Peeters, A (Peeters, Adriaan); Coolsaet, K (Coolsaet, Kris); Brinkmann, G (Brinkmann, Gunnar); Cleemput, N (Cleemput, Nicolas Van); Fack, V (Fack, Veerle)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 45 Issue: 2 Pages: 471-477 DOI: 10.1007/s10910-008-9420-5 Published: FEB 2009

Conference Title: Conference on 20 Years of Molecular Topology in Cluj

Conference Date: SEP 25-30, 2006

Conference Location: Cluj Napoca, ROMANIA

Gutman I, 2002, J SERB CHEM SOC, V67, P407, DOI 10.2298/JSC0206407G

Record 1 of 15

Title: On graphs whose Laplacian index does not exceed 4.5

Author(s): Wang, JF (Wang, Jianfeng); Belardo, F (Belardo, Francesco); Huang, QX (Huang, QiongXiang); Marzi, EML (Marzi, Enzo M. Li)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 4 Special Issue: SI Pages: 1541-1550 DOI: 10.1016/j.laa.2011.02.043 Published: FEB 15 2013

Conference Title: 16th Conference of the International-Linear Algebra-Society (ILAS)

Conference Date: JUN 21-25, 2010

Conference Location: Pisa, ITALY

Record 2 of 15

Title: The smallest Laplacian spectral radius of graphs with a given clique number

Author(s): Guo, JM (Guo, Ji-Ming); Li, JX (Li, Jianxi); Shiu, WC (Shiu, Wai Chee)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 437 Issue: 4 Pages: 1109-1122 DOI: 10.1016/j.laa.2012.04.016 Published: AUG 15 2012

Record 3 of 15

Title: Graph realizations associated with minimizing the maximum eigenvalue of the Laplacian

Author(s): Goring, F (Goering, Frank); Helmberg, C (Helmberg, Christoph); Reiss, S (Reiss, Susanna)

Source: MATHEMATICAL PROGRAMMING Volume: 131 Issue: 1-2 Pages: 95-111 DOI: 10.1007/s10107-010-0344-z Published: FEB 2012

Record 4 of 15

Title: The Laplacian spectral radius for unicyclic graphs with given independence number

Author(s): Feng, LH (Feng, Lihua); Yu, GH (Yu, Guihai); Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 5 Pages: 934-944 DOI: 10.1016/j.laa.2010.04.023 Published: OCT 15 2010

Record 5 of 15

Title: The Laplacian spectral radii of unicyclic and bicyclic graphs with n vertices and k pendant vertices

Author(s): Guo, JM (Guo JiMing)

Source: SCIENCE CHINA-MATHEMATICS Volume: 53 Issue: 8 Pages: 2135-2142 DOI: 10.1007/s11425-010-3132-6 Published: AUG 2010

Record 6 of 15

Title: On conjectures involving second largest signless Laplacian eigenvalue of graphs

Author(s): Das, KC (Das, Kinkar Ch.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 11 Pages: 3018-3029

DOI: 10.1016/j.laa.2010.01.005 Published: JUN 1 2010

Record 7 of 15

Title: HYPER-WIENER INDEX OF SYMMETRIC Y-JUNCTION NANOTUBES

Author(s): Yazdani, J (Yazdani, Javad); Bahrami, A (Bahrami, Amir)

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 4 Issue: 3

Pages: 479-481 Published: SEP 2009

Record 8 of 15

Title: The Laplacian spectral radius of a graph under perturbation

Author(s): Guo, JM (Guo, Ji-Ming)

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 54 Issue: 5 Pages: 709-

720 DOI: 10.1016/j.camwa.2007.02.009 Published: SEP 2007

Record 9 of 15

Title: Alkanes with greatest Estrada index

Author(s): Gutman, I (Gutman, Ivan); Furtula, B (Furtula, Boris); Markovic, V (Markovic, Violeta); Glisic, B (Glisic, Bijana)

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 62 Issue: 9 Pages: 495-498 Published: SEP 2007

Record 10 of 15

Title: Total pi-electron energy and Laplacian energy: How far the analogy goes?

Author(s): Radenkovic, S (Radenkovic, Slavko); Gutman, I (Gutman, Ivan)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY Volume: 72 Issue: 12 Pages: 1343-1350 DOI: 10.2298/JSC0712343R Published: 2007

Record 11 of 15

Title: On the Laplacian spectral radius of trees with fixed diameter

Author(s): Guo, JM (Guo, Ji-Ming)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 419 Issue: 2-3 Pages: 618-629

DOI: 10.1016/j.laa.2006.06.004 Published: DEC 1 2006

Record 12 of 15

Title: On Laplacian eigenvalues of a graph

Author(s): Zhou, B (Zhou, B)

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 59 Issue: 3 Pages: 181-184 Published: MAR 2004

Record 13 of 15

Title: Chemical applications of the Laplacian spectrum. VII. Studies of the Wiener and Kirchhoff indices

Author(s): Gutman, I (Gutman, I); Vidovic, D (Vidovic, D); Furtula, B (Furtula, B)

Source: INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 42 Issue: 6 Pages: 1272-1278 Published: JUN 2003

Record 14 of 15

Title: Hyper-Wiener index and Laplacian spectrum

Author(s): Gutman, I (Gutman, I)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY Volume: 68 Issue: 12 Pages: 949-952

DOI: 10.2298/0352-51390312949G Published: 2003

Record 15 of 15

Title: Relation between the Laplacian and the ordinary characteristic polynomial

Author(s): Gutman, I (Gutman, I)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Issue: 47 Pages: 133-140 Published: JAN 2003

Cvetkovic D, 2002, LINEAR ALGEBRA APPL, V356, P37, DOI 10.1016/S0024-3795(02)00280-X

Record 1 of 3

Title: FULLERENES VIA THEIR AUTOMORPHISM GROUPS

Author(s): Kutnar, K (Kutnar, Klavdija); Marusic, D (Marusic, Dragan); Janezic, D (Janezic, Dusanka)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 63 Issue: 2 Pages: 267-282 Published: 2010

Record 2 of 3

Title: On cyclic edge-connectivity of fullerenes

Author(s): Kutnar, K (Kutnar, Klavdija); Marusic, D (Marusic, Dragan)

Source: DISCRETE APPLIED MATHEMATICS Volume: 156 Issue: 10 Pages: 1661-1669 DOI:

10.1016/j.dam.2007.08.046 Published: MAY 28 2008

Record 3 of 3

Title: Elliptic integral evaluations of Bessel moments and applications

Author(s): Bailey, DH (Bailey, David H.); Borwein, JM (Borwein, Jonathan M.); Broadhurst, D (Broadhurst, David); Glasser, ML (Glasser, M. L.)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 41 Issue: 20

Article Number: 205203 DOI: 10.1088/1751-8113/41/20/205203 Published: MAY 23 2008

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Record 1 of 38

Title: Circulant digraphs integral over number fields

Author(s): Li, F (Li, Fei)

Source: DISCRETE MATHEMATICS Volume: 313 Issue: 6 Pages: 821-823 DOI:

10.1016/j.disc.2012.12.025 Published: MAR 28 2013

Record 2 of 38

Title: Q-integral complete r-partite graphs

Author(s): Zhao, GP (Zhao, Guopeng); Wang, LG (Wang, Ligong); Li, K (Li, Ke)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 3 Pages: 1067-1077

DOI: 10.1016/j.laa.2012.09.009 Published: FEB 1 2013

Record 3 of 38

Title: Distance Powers and Distance Matrices of Integral Cayley Graphs over Abelian Groups

Author(s): Klotz, W (Klotz, Walter); Sander, T (Sander, Torsten)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 19 Issue: 4 Article Number: P25

Published: NOV 8 2012

Record 4 of 38

Title: On the seidel integral complete multipartite graphs

Author(s): Lv, SM (Lv, Sheng-mei); Wei, L (Wei, Liang); Zhao, HX (Zhao, Hai-xing)

Source: ACTA MATHEMATICAE APPLICATAE SINICA-ENGLISH SERIES Volume: 28 Issue: 4

Pages: 705-710 DOI: 10.1007/s10255-012-0126-x Published: OCT 2012

Record 5 of 38

Title: GRAPH SPECTRAL TECHNIQUES IN COMPUTER SCIENCES

Author(s): Arsic, B (Arsic, Branko); Cvetkovic, D (Cvetkovic, Dragos); Simic, SK (Simic, Slobodan K.); Skaric, M (Skaric, Milan)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 6 Issue: 1 Pages: 1-30 DOI: 10.2298/AADM111223025A Published: APR 2012

Record 6 of 38

Title: The non-bipartite integral graphs with spectral radius three

Author(s): Chung, T (Chung, Taeyoung); Koolen, J (Koolen, Jack); Sano, Y (Sano, Yoshio); Taniguchi, T (Taniguchi, Tetsuji)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 435 Issue: 10 Special Issue: SI Pages: 2544-2559 DOI: 10.1016/j.laa.2011.04.006 Published: NOV 15 2011

Record 7 of 38

Title: CONTROLLABLE GRAPHS WITH LEAST EIGENVALUE AT LEAST-2

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Rowlinson, P (Rowlinson, Peter); Stanic, Z (Stanic, Zoran); Yoon, MG (Yoon, Myung-Gon)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 5 Issue: 2 Pages: 165-175 DOI: 10.2298/AADM110909022C Published: OCT 2011

Record 8 of 38

Title: Infinitely many pairs of cospectral integral regular graphs

Author(s): Wang, LG (Wang Li-gong); Sun, H (Sun Hao)

Source: APPLIED MATHEMATICS-A JOURNAL OF CHINESE UNIVERSITIES SERIES B Volume: 26 Issue: 3 Pages: 280-286 DOI: 10.1007/s11766-011-2180-1 Published: SEP 2011

Record 9 of 38

Title: Integral Cayley graphs defined by greatest common divisors

Author(s): Klotz, W (Klotz, Walter); Sander, T (Sander, Torsten)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 18 Issue: 1 Article Number: P94 Published: APR 21 2011

Record 10 of 38

Title: Integral Quartic Cayley Graphs on Abelian Groups

Author(s): Abdollahi, A (Abdollahi, A.); Vatandoost, E (Vatandoost, E.)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 18 Issue: 1 Article Number: P89 Published: APR 14 2011

Record 11 of 38

Title: Graph spectra in Computer Science

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Simic, S (Simic, Slobodan)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 434 Issue: 6 Pages: 1545-1562 DOI: 10.1016/j.laa.2010.11.035 Published: MAR 15 2011

Record 12 of 38

Title: Gaussian integral circulant digraphs

Author(s): Xu, Y (Xu, Ying); Meng, JX (Meng, Jixiang)

Source: DISCRETE MATHEMATICS Volume: 311 Issue: 1 Pages: 45-50 DOI:

10.1016/j.disc.2010.09.019 Published: JAN 6 2011

Record 13 of 38

Title: Some constructions of integral graphs

Author(s): Mohammadian, A (Mohammadian, A.); Tayfeh-Rezaie, B (Tayfeh-Rezaie, B.)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 59 Issue: 11 Pages: 1269-1279 DOI:

10.1080/03081087.2010.496784 Published: 2011

Record 14 of 38

Title: Graphs for small multiprocessor interconnection networks

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Davidovic, T (Davidovic, Tatjana); Ilic, A (Ilic, Aleksandar); Simic, SK (Simic, Slobodan K.)

Source: APPLIED MATHEMATICS AND COMPUTATION Volume: 217 Issue: 6 Pages: 2468-2480

DOI: 10.1016/j.amc.2010.07.058 Published: NOV 15 2010

Record 15 of 38

Title: Distance spectra and distance energy of integral circulant graphs

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 433 Issue: 5 Pages: 1005-1014

DOI: 10.1016/j.laa.2010.04.034 Published: OCT 15 2010

Record 16 of 38

Title: New Classes of Integral Trees of Diameter 4

Author(s): Wang, LG (Wang, Ligong); Liu, XD (Liu, Xiaodong)

Source: ARS COMBINATORIA Volume: 96 Pages: 203-220 Published: JUL 2010

Record 17 of 38

Title: Integral Cayley graphs over abelian groups

Author(s): Klotz, W (Klotz, Walter); Sander, T (Sander, Torsten)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 17 Issue: 1 Article Number: R81

Published: MAY 25 2010

Record 18 of 38

Title: Towards a spectral theory of graphs based on the signless Laplacian, II

Author(s): Cvetkovic, D (Cvetkovic, Dragos); Simic, SK (Simic, Slobodan K.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2257-2272 DOI: 10.1016/j.laa.2009.05.020 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 19 of 38

Title: A survey of automated conjectures in spectral graph theory

Author(s): Aouchiche, M (Aouchiche, M.); Hansen, P (Hansen, P.)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2293-2322 DOI: 10.1016/j.laa.2009.06.015 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 20 of 38

Title: Infinite families of Q-integral graphs

Author(s): de Freitas, MAA (de Freitas, Maria Agueiras A.); de Abreu, NMM (de Abreu, Nair M. M.); Del-Vecchio, RR (Del-Vecchio, Renata R.); Jurkiewicz, S (Jurkiewicz, Samuel)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2352-2360 DOI: 10.1016/j.laa.2009.06.029 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 21 of 38

Title: Integral graphs and (κ , τ)-regular sets

Author(s): Carvalho, P (Carvalho, Paula); Rama, P (Rama, Paula)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI

Pages: 2409-2417 DOI: 10.1016/j.laa.2009.07.032 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 22 of 38

Title: Integral complete multipartite graphs $K_{a_1, p_1, a_2, p_2, \dots, a_s, p_s}$ with $s=5, 6$

Author(s): Wang, LG (Wang, Ligong); Wang, Q (Wang, Qi)

Source: DISCRETE MATHEMATICS Volume: 310 Issue: 4 Pages: 812-818 DOI:

10.1016/j.disc.2009.09.016 Published: FEB 28 2010

Record 23 of 38

Title: Triply Equienergetic Graphs

Author(s): Ilic, A (Ilic, Aleksandar); Basic, M (Basic, Milan); Gutman, I (Gutman, Ivan)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 64 Issue: 1 Pages: 189-200 Published: 2010

Record 24 of 38

Title: The 3-dimensional cube is the only periodic, connected cubic graph with perfect state transfer

Author(s): Severini, S (Severini, Simone)

Editor(s): Weigert S

Source: QUANTUM GROUPS, QUANTUM FOUNDATIONS, AND QUANTUM INFORMATION: A

FESTSCHRIFT FOR TONY SUDBERY Book Series: Journal of Physics Conference Series Volume:

254 Article Number: 012012 DOI: 10.1088/1742-6596/254/1/012012 Published: 2010

Conference Title: Conference on Quantum Groups, Quantum Foundations, and Quantum Information

- A Festschrift for Tony Sudbery

Conference Date: SEP 29-30, 2008

Conference Location: York, ENGLAND

Conference Host: Univ York

Record 25 of 38

Title: The energy of unitary cayley graphs

Author(s): Ilic, A (Ilic, Aleksandar)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 431 Issue: 10 Pages: 1881-1889

DOI: 10.1016/j.laa.2009.06.025 Published: OCT 15 2009

Record 26 of 38

Title: Some families of integral graphs

Author(s): Wang, LG (Wang, Ligong); Broersma, H (Broersma, Hajo); Hoede, C (Hoede, Cornelis); Li, XL (Li, Xueliang); Still, G (Still, Georg)

Source: DISCRETE MATHEMATICS Volume: 308 Issue: 24 Pages: 6383-6391 DOI: 10.1016/j.disc.2007.12.010 Published: DEC 28 2008

Record 27 of 38

Title: NEW SUFFICIENT CONDITIONS FOR INTEGRAL COMPLETE 3-PARTITE GRAPHS

Author(s): Hic, P (Hic, Pavel); Pokorny, M (Pokorny, Milan); Cernek, P (Cernek, Pavol)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 2 Issue: 2 Pages: 276-284 DOI: 10.2298/AADM0802276H Published: OCT 2008

Record 28 of 38

Title: Integral complete multipartite graphs

Author(s): Wang, LG (Wang, Ligong); Liu, XD (Liu, Xiaodong)

Source: DISCRETE MATHEMATICS Volume: 308 Issue: 17 Pages: 3860-3870 DOI: 10.1016/j.disc.2007.07.084 Published: SEP 6 2008

Record 29 of 38

Title: Indexing through laplacian spectra

Author(s): Demirci, MF (Demirci, M. Fatih); van Leuken, RH (van Leuken, Reinier H.); Veltkamp, RC (Veltkamp, Remeo C.)

Source: COMPUTER VISION AND IMAGE UNDERSTANDING Volume: 110 Issue: 3 Pages: 312-325 DOI: 10.1016/j.cviu.2007.09.012 Published: JUN 2008

Record 30 of 38

Title: Indecomposable Laplacian integral graphs

Author(s): Grone, R (Grone, Robert); Merris, R (Merris, Russell)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 428 Issue: 7 Pages: 1565-1570 DOI: 10.1016/j.laa.2007.09.025 Published: APR 1 2008

Record 31 of 38

Title: Constructing fifteen infinite classes of nonregular bipartite integral graphs

Author(s): Wang, L (Wang, Ligong); Hoede, C (Hoede, Cornelis)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 15 Issue: 1 Article Number: R8 Published: JAN 1 2008

Record 32 of 38

Title: On encodings of spanning trees

Author(s): Hurlbert, GH (Hurlbert, Glenn H.)

Source: DISCRETE APPLIED MATHEMATICS Volume: 155 Issue: 18 Pages: 2594-2600 DOI: 10.1016/j.dam.2007.07.014 Published: NOV 1 2007

Record 33 of 38

Title: SOME NEW INTEGRAL GRAPHS

Author(s): Indulal, G (Indulal, G.); Vijayakumar, A (Vijayakumar, A.)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 1 Issue: 2 Pages: 420-426 DOI: 10.2298/AADM0702420I Published: OCT 2007

Record 34 of 38

Title: Integral trees of diameter 6

Author(s): Wang, LG (Wang, Ligong); Broersma, H (Broersma, Hajo); Hoede, C (Hoede, Cornelis); Li, XL (Li, Xueliang); Still, G (Still, Georg)

Source: DISCRETE APPLIED MATHEMATICS Volume: 155 Issue: 10 Pages: 1254-1266 DOI: 10.1016/j.dam.2006.10.014 Published: MAY 15 2007

Record 35 of 38

Title: Three classes of bipartite integral graphs

Author(s): Wang, LG (Wang, Ligong); Sun, H (Sun, Hao)

Editor(s): Akiyama J; Chen WYC; Kano M; Li X; Yu Q

Source: Discrete Geometry, Combinatorics and Graph Theory Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 4381 Pages: 206-215 Published: 2007

Conference Title: 7th China-Japan Conference on Discrete Geometry, Combinatorics and Graph Theory

Conference Date: NOV 22-24, 2005

Conference Location: Xian, PEOPLES R CHINA

Conference Host: NW Polytech Univ

Record 36 of 38

Title: Graph theoretical results obtained by the support of the expert system "GRAPH" - An extended survey

Author(s): Cvetkovic, D (Cvetkovic, D); Simic, S (Simic, S)

Editor(s): Fajtlowicz S; Fowler PW; Hansen P; Janowitz MF; Roberts FS

Source: Graphs and Discovery Book Series: DIMACS SERIES IN DISCRETE MATHEMATICS AND THEORETICAL COMPUTER SCIENCES Volume: 69 Pages: 39-70 Published: 2005

Conference Title: DIMACS-Working-Group Meeting on Computer-Generated Conjectures from Graph Theoretic and Chemical Databases

Conference Date: NOV 12-16, 2001

Conference Location: New Brunswick, NJ

Conference Host: Rutgers Univ

Record 37 of 38

Title: Integral complete r-partite graphs

Author(s): Wang, LG (Wang, LG); Li, XL (Li, XL); Hoede, C (Hoede, C)

Source: DISCRETE MATHEMATICS Volume: 283 Issue: 1-3 Pages: 231-241 DOI: 10.1016/j.disc.2004.02.011 Published: JUN 6 2004

Record 38 of 38

Title: A graph and its complement with specified spectral properties

Author(s): Petrovic, M (Petrovic, M); Radosavljevic, Z (Radosavljevic, Z); Simic, S (Simic, S)

Source: LINEAR & MULTILINEAR ALGEBRA Volume: 51 Issue: 4 Pages: 405-419 DOI: 10.1080/0308108031000108287 Published: DEC 2003

Stevanovic D, 2001, DISCRETE MATH, V235, P237, DOI 10.1016/S0012-365X(00)00277-6

Record 1 of 24

Title: Moments in graphs

Author(s): Dalfo, C (Dalfo, C.); Fiol, MA (Fiol, M. A.); Garriga, E (Garriga, E.)

Source: DISCRETE APPLIED MATHEMATICS Volume: 161 Issue: 6 Pages: 768-777 DOI: 10.1016/j.dam.2012.10.024 Published: APR 2013

Record 2 of 24

Title: Additively weighted Harary index of some composite graphs

Author(s): Alizadeh, Y (Alizadeh, Yaser); Iranmanesh, A (Iranmanesh, Ali); Doslic, T (Doslic, Tomislav)

Source: DISCRETE MATHEMATICS Volume: 313 Issue: 1 Pages: 26-34 DOI: 10.1016/j.disc.2012.09.011 Published: JAN 6 2013

Record 3 of 24

Title: FURTHER RESULTS ON DISTANCE-BALANCED GRAPHS

Author(s): Tavakoli, M (Tavakoli, M.); Rahbarnia, F (Rahbarnia, F.); Ashrafi, AR (Ashrafi, A. R.)

Source: UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 75 Issue: 1 Pages: 77-84 Published: 2013

Record 4 of 24

Title: Hosoya Polynomial of Hierarchical Product of Graphs

Author(s): Eliasi, M (Eliasi, Mehdi); Iranmanesh, A (Iranmanesh, Ali)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 69 Issue: 1 Pages: 111-119 Published: 2013

Conference Title: 4th Iranian Conference and Workshop on Mathematical Chemistry (FCWMC)

Conference Date: FEB 22-24, 2010

Conference Location: Tehran, IRAN

Conference Host: Tarbiat Modares Univ

Record 5 of 24

Title: Wiener index of some graph operations

Author(s): Eliasi, M (Eliasi, Mehdi); Raeisi, G (Raeisi, Ghaffar); Taeri, B (Taeri, Bijan)

Source: DISCRETE APPLIED MATHEMATICS Volume: 160 Issue: 9 Pages: 1333-1344 DOI: 10.1016/j.dam.2012.01.014 Published: JUN 2012

Record 6 of 24

Title: Some inequalities for the atom-bond connectivity index of graph operations

Author(s): Fath-Tabar, GH (Fath-Tabar, G. H.); Vaez-Zadeh, B (Vaez-Zadeh, B.); Ashrafi, AR (Ashrafi, A. R.); Graovacc, A (Graovacc, A.)

Source: DISCRETE APPLIED MATHEMATICS Volume: 159 Issue: 13 Pages: 1323-1330 DOI: 10.1016/j.dam.2011.04.019 Published: AUG 6 2011

Record 7 of 24

Title: Computation of the edge Wiener indices of the sum of graphs

Author(s): Azari, M (Azari, Mahdieh); Iranmanesh, A (Iranmanesh, Ali)

Source: ARS COMBINATORIA Volume: 100 Pages: 113-128 Published: JUL 2011

Record 8 of 24

Title: The hyper-Wiener index of the generalized hierarchical product of graphs

Author(s): Eliasi, M (Eliasi, Mehdi); Iranmanesh, A (Iranmanesh, Ali)

Source: DISCRETE APPLIED MATHEMATICS Volume: 159 Issue: 8 Pages: 866-871 DOI: 10.1016/j.dam.2010.12.020 Published: APR 28 2011

Record 9 of 24

Title: On partitionable, confidentially connected and unbreakable graphs

Author(s): Talmaciu, M (Talmaciu, M.); Nechita, E (Nechita, E.)

Source: ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA Volume: 19 Issue: 1 Pages: 263-273 Published: 2011

Record 10 of 24

Title: Some New Results on Distance-Based Polynomials

Author(s): Behmaram, A (Behmaram, A.); Yousefi-Azari, H (Yousefi-Azari, H.); Ashrafi, AR (Ashrafi, A. R.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 65 Issue: 1 Pages: 39-50 Published: 2011

Record 11 of 24

Title: The Zagreb coindices of graph operations

Author(s): Ashrafi, AR (Ashrafi, A. R.); Doslic, T (Doslic, T.); Hamzeh, A (Hamzeh, A.)

Source: DISCRETE APPLIED MATHEMATICS Volume: 158 Issue: 15 Pages: 1571-1578 DOI:

10.1016/j.dam.2010.05.017 Published: AUG 6 2010

Record 12 of 24

Title: ON THE DISTANCE-BASED TOPOLOGICAL INDICES OF FULLERENE AND FULLERENYL ANIONS HAVING DENDRIMER UNITS

Author(s): Arezoomand, M (Arezoomand, Majid)

Source: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 4 Issue: 4

Pages: 713-722 Published: DEC 2009

Record 13 of 24

Title: On Wiener-type polynomials of thorn graphs

Author(s): Zhou, B (Zhou, Bo); Vukicevic, D (Vukicevic, Damir)

Source: JOURNAL OF CHEMOMETRICS Volume: 23 Issue: 11-12 Pages: 600-604 DOI:

10.1002/cem.1258 Published: NOV-DEC 2009

Record 14 of 24

Title: Kirchhoff index of composite graphs

Author(s): Zhang, HP (Zhang, Heping); Yang, YJ (Yang, Yujun); Li, CW (Li, Chuanwen)

Source: DISCRETE APPLIED MATHEMATICS Volume: 157 Issue: 13 Pages: 2918-2927 DOI:

10.1016/j.dam.2009.03.007 Published: JUL 6 2009

Record 15 of 24

Title: Omega polynomial and its use in nanostructure description

Author(s): Diudea, M (Diudea, M. V.); Cigher, S (Cigher, S.); Vizitiu, A (Vizitiu, A. E.); Florescu, M

(Florescu, M. S.); John, P (John, P. E.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 45 Issue: 2 Pages: 316-329 DOI:

10.1007/s10910-008-9408-1 Published: FEB 2009

Conference Title: Conference on 20 Years of Molecular Topology in Cluj

Conference Date: SEP 25-30, 2006

Conference Location: Cluj Napoca, ROMANIA

Record 16 of 24

Title: SCHULTZ POLYNOMIALS OF COMPOSITE GRAPHS

Author(s): Eliasi, M (Eliasi, Mehdi); Taeri, B (Taeri, Bijan)

Source: APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS Volume: 2 Issue: 2 Pages:

285-296 DOI: 10.2298/AADM0802285E Published: OCT 2008

Record 17 of 24

Title: DISTANCE IN ZIGZAG POLYHEX NANOTORUS

Author(s): Eliasi, M (Eliasi, Mehdi); Taeri, B (Taeri, Bijan)

Source: JOURNAL OF THEORETICAL & COMPUTATIONAL CHEMISTRY Volume: 7 Issue: 5

Pages: 1029-1039 DOI: 10.1142/S0219633608004313 Published: OCT 2008

Record 18 of 24

Title: Extension of the Wiener index and Wiener polynomial

Author(s): Eliasi, M (Eliasi, Mehdi); Taeri, B (Taeri, Bijan)

Source: APPLIED MATHEMATICS LETTERS Volume: 21 Issue: 9 Pages: 916-921 DOI: 10.1016/j.aml.2007.10.001 Published: SEP 2008

Record 19 of 24

Title: Vertex-Weighted Wiener Polynomials for Composite Graphs

Author(s): Doslic, T (Doslic, Tomislav)

Source: ARS MATHEMATICA CONTEMPORANEA Volume: 1 Issue: 1 Pages: 66-80 Published: AUG 2008

Record 20 of 24

Title: Hosoya polynomial of zigzag polyhex nanotorus

Author(s): Eliasi, M (Eliasi, Mehdi); Taeri, B (Taeri, Bijan)

Source: JOURNAL OF THE SERBIAN CHEMICAL SOCIETY Volume: 73 Issue: 3 Pages: 311-319 DOI: 10.2298/JSC0803311E Published: 2008

Record 21 of 24

Title: The Hosoya-Wiener polynomial of weighted trees

Author(s): Zmazek, B (Zmazek, Blaz); Zerovnik, J (Zerovnik, Janez)

Source: CROATICA CHEMICA ACTA Volume: 80 Issue: 1 Pages: 75-80 Published: MAY 2007

Record 22 of 24

Title: Omega polynomial in tubular nanostructures

Author(s): Diudea, MV (Diudea, Mircea V.); Cigher, S (Cigher, Simona); Vizitiu, AE (Vizitiu, Aniela E.); Ursu, O (Ursu, Oleg); John, PE (John, Peter E.)

Source: CROATICA CHEMICA ACTA Volume: 79 Issue: 3 Pages: 445-448 Published: NOV 2006

Conference Title: 19th Dubrovnik International Course and Conference on the Interfaces Among Mathematics, Chemistry and Computer Sciences (MATH/CHEM/COMP 2005)

Conference Date: JUN 20-25, 2005

Conference Location: Dubrovnik, CROATIA

Record 23 of 24

Title: On generalization of the Hosoya-Wiener polynomial

Author(s): Zmazek, B (Zmazek, Blaz); Zerovnik, J (Zerovnik, Janez)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 55 Issue: 2 Pages: 359-362 Published: 2006

Record 24 of 24

Title: Distance counting in tori

Author(s): Diudea, MV (Diudea, MV); Parv, B (Parv, B); John, PE (John, PE); Ursu, O (Ursu, O); Graovac, A (Graovac, A)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Issue: 49 Pages: 23-36 Published: SEP 2003

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Record 1 of 1

Title: A multipartite version of the Turan problem - density conditions and eigenvalues

Author(s): Nagy, ZL (Nagy, Zoltan Lorant)

Source: ELECTRONIC JOURNAL OF COMBINATORICS Volume: 18 Issue: 1 Article Number: P46 Published: FEB 21 2011

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Record 1 of 2

Title: Bicyclic graphs with small positive index of inertia

Author(s): Yu, GH (Yu, Guihai); Feng, LH (Feng, Lihua); Wang, QW (Wang, Qingwen)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 438 Issue: 5 Pages: 2036-2045

DOI: 10.1016/j.laa.2012.09.031 Published: MAR 1 2013

Record 2 of 2

Title: Graph theoretical results obtained by the support of the expert system "GRAPH" - An extended survey

Author(s): Cvetkovic, D (Cvetkovic, D); Simic, S (Simic, S)

Editor(s): Fajtlowicz S; Fowler PW; Hansen P; Janowitz MF; Roberts FS

Source: Graphs and Discovery Book Series: DIMACS SERIES IN DISCRETE MATHEMATICS AND THEORETICAL COMPUTER SCIENCES Volume: 69 Pages: 39-70 Published: 2005

Conference Title: DIMACS-Working-Group Meeting on Computer-Generated Conjectures from Graph Theoretic and Chemical Databases

Conference Date: NOV 12-16, 2001

Conference Location: New Brunswick, NJ

Conference Host: Rutgers Univ

STEVANOVIC D, 1999, U BEOGRAD PUBL ELE M, V10, P81

Record 1 of 2

Title: SOME RESULTS ON Q-INTEGRAL GRAPHS

Author(s): Stanic, Z (Stanic, Zoran)

Source: ARS COMBINATORIA Volume: 90 Pages: 321-335 Published: JAN 2009

Record 2 of 2

Title: Q-integral graphs with edge-degrees at most five

Author(s): Simic, SK (Simic, Slobodan K.); Stanic, Z (Stanic, Zoran)

Source: DISCRETE MATHEMATICS Volume: 308 Issue: 20 Pages: 4625-4634 DOI: 10.1016/j.disc.2007.08.055 Published: OCT 28 2008

STEVANOVIC D, 1999, FILOMAT NIS, V13, P1

Record 1 of 1

Title: Graph theoretical results obtained by the support of the expert system "GRAPH" - An extended survey

Author(s): Cvetkovic, D (Cvetkovic, D); Simic, S (Simic, S)

Editor(s): Fajtlowicz S; Fowler PW; Hansen P; Janowitz MF; Roberts FS

Source: Graphs and Discovery Book Series: DIMACS SERIES IN DISCRETE MATHEMATICS AND THEORETICAL COMPUTER SCIENCES Volume: 69 Pages: 39-70 Published: 2005

Conference Title: DIMACS-Working-Group Meeting on Computer-Generated Conjectures from Graph Theoretic and Chemical Databases

Conference Date: NOV 12-16, 2001

Conference Location: New Brunswick, NJ

Conference Host: Rutgers Univ

STEVANOVIC D, 1998, NOTES, V34, P31

STEVANOVIC D, 1998, GRAPH THEORY NOTES N, V34, P31

Record 1 of 9

Title: Cluj CJ and Plv Polynomials

Author(s): Diudea, MV (Diudea, Mircea V.); Ilic, A (Ilic, Aleksandar); Ghorbani, M (Ghorbani, Modjtaba); Ashrafi, AR (Ashrafi, Ali R.)

Source: CROATICA CHEMICA ACTA Volume: 83 Issue: 3 Pages: 283-289 Published: OCT 2010

Record 2 of 9

Title: Building Graphs Whose Independence Polynomials Have Only Real Roots

Author(s): Mandrescu, E (Mandrescu, Eugen)

Source: GRAPHS AND COMBINATORICS Volume: 25 Issue: 4 Pages: 545-556 DOI: 10.1007/s00373-009-0857-5 Published: NOV 2009

Record 3 of 9

Title: Cluj polynomials

Author(s): Diudea, M (Diudea, Mircea V.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 45 Issue: 2 Pages: 295-308 DOI: 10.1007/s10910-008-9406-3 Published: FEB 2009

Conference Title: Conference on 20 Years of Molecular Topology in Cluj

Conference Date: SEP 25-30, 2006

Conference Location: Cluj Napoca, ROMANIA

Record 4 of 9

Title: Omega polynomial and its use in nanostructure description

Author(s): Diudea, M (Diudea, M. V.); Cigher, S (Cigher, S.); Vizitiu, A (Vizitiu, A. E.); Florescu, M (Florescu, M. S.); John, P (John, P. E.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 45 Issue: 2 Pages: 316-329 DOI: 10.1007/s10910-008-9408-1 Published: FEB 2009

Conference Title: Conference on 20 Years of Molecular Topology in Cluj

Conference Date: SEP 25-30, 2006

Conference Location: Cluj Napoca, ROMANIA

Record 5 of 9

Title: Omega and related counting polynomials

Author(s): Diudea, MV (Diudea, Mircea V.); Cigher, S (Cigher, Simona); John, PE (John, Peter E.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 60 Issue: 1 Pages: 237-250 Published: 2008

Record 6 of 9

Title: Omega polynomial in twisted $((4,8)3)R$ tori

Author(s): Diudea, MV (Diudea, Mircea V.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 60 Issue: 3 Pages: 935-944 Published: 2008

Conference Title: 1st Meeting of the European-Society-of-Mathematical-Chemistry

Conference Date: OCT 23-26, 2007

Conference Location: Cluj Napoca, ROMANIA

Record 7 of 9

Title: Omega polynomial in twisted (4,4) tori

Author(s): Diudea, MV (Diudea, M. V.); Vizitiu, AE (Vizitiu, A. E.); Gholaminezhad, F (Gholaminezhad, F.); Ashrafi, AR (Ashrafi, A. R.)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY

Volume: 60 Issue: 3 Pages: 945-953 Published: 2008

Conference Title: 1st Meeting of the European-Society-of-Mathematical-Chemistry

Conference Date: OCT 23-26, 2007

Conference Location: Cluj Napoca, ROMANIA

Record 8 of 9

Title: Cluj and related polynomials applied in correlating studies

Author(s): Diudea, MV (Diudea, Mircea V.); Vizitiu, AE (Vizitiu, A. E.); Janezic, D (Janezic, Dusanka)

Source: JOURNAL OF CHEMICAL INFORMATION AND MODELING Volume: 47 Issue: 3 Pages: 864-874 DOI: 10.1021/ci600482j Published: MAY-JUN 2007

Record 9 of 9

Title: Independence polynomials and the unimodality conjecture for very well-covered, quasi-regularizable, and perfect graphs

Author(s): Levit, VE (Levit, Vadim E.); Mandrescu, E (Mandrescu, Eugen)

Editor(s): Bondy A; Fonlupt J; Fouquet JL; Fournier JC; Alfonsin JLR

Source: Graph Theory in Paris: PROCEEDINGS OF A CONFERENCE IN MEMORY OF CALUDE BERGE Book Series: TRENDS IN MATHEMATICS Pages: 243-254 DOI: 10.1007/978-3-7643-7400-6_19 Published: 2007

Conference Title: International Conference on Graph Theory held in Memory of Claude Berge (GT04)

Conference Date: JUL, 2004

Conference Location: Paris, FRANCE

CVETKOVIC D, 1998, U BEOGRAD PUBL ELE M, V9, P103**CVETKOVIC D, 1998, U BEOGRADE PUBL ELEK, V9, P89**

Record 1 of 8

Title: Star complements in regular graphs: Old and new results

Author(s): Rowlinson, P (Rowlinson, Peter); Tayfeh-Rezaie, B (Tayfeh-Rezaie, Behruz)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 432 Issue: 9 Special Issue: SI Pages: 2230-2242 DOI: 10.1016/j.laa.2009.04.022 Published: APR 15 2010

Conference Title: Workshop on Spectral Graph Theory

Conference Date: DEC 01-04, 2008

Conference Location: Rio de Janeiro, BRAZIL

Conference Host: Mil Inst Engn

Record 2 of 8

Title: Some families of integral graphs

Author(s): Wang, LG (Wang, Ligong); Broersma, H (Broersma, Hajo); Hoede, C (Hoede, Cornelis); Li, XL (Li, Xueliang); Still, G (Still, Georg)

Source: DISCRETE MATHEMATICS Volume: 308 Issue: 24 Pages: 6383-6391 DOI: 10.1016/j.disc.2007.12.010 Published: DEC 28 2008

Record 3 of 8

Title: Some Star Complements for the Second Largest Eigenvalue of a Graph

Author(s): Stanic, Z (Stanic, Zoran)

Source: ARS MATHEMATICA CONTEMPORANEA Volume: 1 Issue: 2 Pages: 126-136 Published: DEC 2008

Record 4 of 8

Title: Q-integral graphs with edge-degrees at most five

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Source: DISCRETE MATHEMATICS Volume: 308 Issue: 20 Pages: 4625-4634 DOI: 10.1016/j.disc.2007.08.055 Published: OCT 28 2008

Record 5 of 8

Title: Indecomposable Laplacian integral graphs

Author(s): Grone, R (Grone, Robert); Merris, R (Merris, Russell)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS Volume: 428 Issue: 7 Pages: 1565-1570 DOI: 10.1016/j.laa.2007.09.025 Published: APR 1 2008

Record 6 of 8

Title: Integral trees of diameter 6

Author(s): Wang, LG (Wang, Ligong); Broersma, H (Broersma, Hajo); Hoede, C (Hoede, Cornelis); Li, XL (Li, Xueliang); Still, G (Still, Georg)

Source: DISCRETE APPLIED MATHEMATICS Volume: 155 Issue: 10 Pages: 1254-1266 DOI: 10.1016/j.dam.2006.10.014 Published: MAY 15 2007

Record 7 of 8

Title: Three classes of bipartite integral graphs

Author(s): Wang, LG (Wang, Ligong); Sun, H (Sun, Hao)

Editor(s): Akiyama J; Chen WYC; Kano M; Li X; Yu Q

Source: Discrete Geometry, Combinatorics and Graph Theory Book Series: LECTURE NOTES IN COMPUTER SCIENCE Volume: 4381 Pages: 206-215 Published: 2007

Conference Title: 7th China-Japan Conference on Discrete Geometry, Combinatorics and Graph Theory

Conference Date: NOV 22-24, 2005

Conference Location: Xian, PEOPLES R CHINA

Conference Host: NW Polytech Univ

Record 8 of 8

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Author(s): Cvetkovic, D (Cvetkovic, D); Simic, S (Simic, S)

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Conference Title: DIMACS-Working-Group Meeting on Computer-Generated Conjectures from Graph Theoretic and Chemical Databases

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STEVANOVIC D, 1998, THESIS U NIS NIS

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Editor(s): Fajtlowicz S; Fowler PW; Hansen P; Janowitz MF; Roberts FS

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Conference Date: NOV 12-16, 2001

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Conference Host: Rutgers Univ

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Record 1 of 6

Title: On Circulants Uniquely Characterized by their Independence Polynomials

Author(s): Brown, J (Brown, Jason); Hoshino, R (Hoshino, Richard)

Source: ARS COMBINATORIA Volume: 104 Pages: 363-374 Published: APR 2012

Record 2 of 6

Title: On the Independence Polynomial of an Antiregular Graph

Author(s): Levit, VE (Levit, Vadim E.); Mandrescu, E (Mandrescu, Eugen)

Source: CARPATHIAN JOURNAL OF MATHEMATICS Volume: 28 Issue: 2 Pages: 279-288

Published: 2012

Record 3 of 6

Title: Cluj polynomials

Author(s): Diudea, M (Diudea, Mircea V.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 45 Issue: 2 Pages: 295-308 DOI: 10.1007/s10910-008-9406-3 Published: FEB 2009

Conference Title: Conference on 20 Years of Molecular Topology in Cluj

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Record 4 of 6

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Author(s): Diudea, M (Diudea, M. V.); Cigher, S (Cigher, S.); Vizitiu, A (Vizitiu, A. E.); Florescu, M (Florescu, M. S.); John, P (John, P. E.)

Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 45 Issue: 2 Pages: 316-329 DOI: 10.1007/s10910-008-9408-1 Published: FEB 2009

Conference Title: Conference on 20 Years of Molecular Topology in Cluj

Conference Date: SEP 25-30, 2006

Conference Location: Cluj Napoca, ROMANIA

Record 5 of 6

Title: On the roots of independence polynomials of almost all very well-covered graphs

Author(s): Levit, VE (Levit, Vadim E.); Mandrescu, E (Mandrescu, Eugen)

Source: DISCRETE APPLIED MATHEMATICS Volume: 156 Issue: 4 Pages: 478-491 DOI: 10.1016/j.dam.2006.06.016 Published: FEB 15 2008

Conference Title: 3rd Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms

Conference Date: MAY 27-29, 2003

Conference Location: Haifa, ISRAEL

Conference Host: Univ Haifa

Record 6 of 6

Title: Independence polynomials and the unimodality conjecture for very well-covered, quasi-regularizable, and perfect graphs

Author(s): Levit, VE (Levit, Vadim E.); Mandrescu, E (Mandrescu, Eugen)

Editor(s): Bondy A; Fonlupt J; Fouquet JL; Fournier JC; Alfonsin JLR

Source: Graph Theory in Paris: PROCEEDINGS OF A CONFERENCE IN MEMORY OF CALUDE BERGE Book Series: TRENDS IN MATHEMATICS Pages: 243-254 DOI: 10.1007/978-3-7643-7400-6_19 Published: 2007

Conference Title: International Conference on Graph Theory held in Memory of Claude Berge (GT04)

Conference Date: JUL, 2004

Conference Location: Paris, FRANCE

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Record 1 of 1

Title: On Incidence Energy of Graphs

Author(s): Gutman, I (Gutman, Ivan); Kiani, D (Kiani, Dariush); Mirzakhah, M (Mirzakhah, Maryam)

Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Volume: 62 Issue: 3 Pages: 573-580 Published: 2009
