



Gholamhosein Fathtabar

Associate Professor

College: Faculty of Mathematics

Department: Pure Mathematics

Education

Degree	Graduated in	Major	University
BSc	1999	Pure Mathematics	University of Kharazmi
MSc	2001	Algebra	Sharif University
Doctoral	2010	Algebra-Algebraic Graph Theory	University of Kashan

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Kashan		Certain	Full Time	16

Work Experience

Head of Department of Pure Mathematics

Subjects Taught

Algebraic Graph Theory

Papers in Conferences

1. The eigenvalues of signed graphs and its chromatic number, 17-th workshop on graph theory, 17 9 2017, زیلونا.
2. Separating sets and Laplacian eigenvalues of graphs, 22 2 2017, تهران, ایران, قاسمیان, غلامحسین فتح تبار فیروزجائی.
3. سیده الهام قاسمیان, غلامحسین فتح تبار فیروزجائی, گراف های دوبخشی علامت دار با دو مقدار ویژه.

- چهل و هفتمین کنفرانس ریاضی ایران، کرج، ۲۰۱۶، AIMCFY28 ۸
4. Ordering oriented bicyclic graphs with fixed diameter. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۲۰۱۵، ۹ ۱۲، کاشان.
 5. On the summation of absolute value of the eigenvalues of signed graphs. The Second Conference on Computational Group Theory, Computational Number Theory and Applications, ۲۰۱۵، ۹ ۱۲، کاشان.
 6. On the Signless Laplacian Spectral Moment of Graphs. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۲۰۱۴، ۱۲ ۱۷، کاشان.
 7. Skew-eigenvalues of Cartesian and lexicographic products of graphs. هفتمین کنفرانس و کارگاه ریاضی-شیمی، ساوه، ۲۰۱۴، ۱۲ ۱۷.
 8. The power graph of Γ_n with at most two main signless Laplacian eigenvalues. هفتمین کنفرانس و کارگاه ریاضی-شیمی، ساوه، ۲۰۱۴، ۱۲ ۱۷.
 9. On Q-spectral moments of unicyclic graphs. هفتمین کنفرانس و کارگاه ریاضی-شیمی، ساوه، ۲۰۱۴، ۱۲ ۱۷.
 10. زهرا پوردکان، غلامحسین فتح تبار فیروزجائی، نسخه راسی قضیه وینر، هفتمین کنفرانس و کارگاه ریاضی-شیمی، ساوه، ۲۰۱۴، ۱۲ ۱۷.
 11. Some Lower Bounds for Summation of Absolute Value of Skew-Eigenvalues of some Graphs. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۲۰۱۴، ۱۲ ۱۷، کاشان.
 12. G. H. Fath, & Tabar, Computing the Energy of Two Types of Dendrimers, MATH/CHEM/COMP 2011, 2011.
 13. G. H. Fath, & Tabar, On the Symmetry of (3,6)-Fullerene, MATH/CHEM/COMP 2011, 2011.
 14. G. H. Fath, & Tabar, The Spectral Moments of (3,6)-Fullerene, 7th Nanoscience and Nanotechnology Conference (NanoTR-VII), 2011.
 15. G. H. Fath, & Tabar, Estrada Index of (5,6) and (4,6)-Fullerenes, 7th Nanoscience and Nanotechnology Conference (NanoTR-VII), 2011.
 16. G. H. Fath, & Tabar, The Estrada Index of Some Fullerenes, MATH/CHEM/COMP 2010, 2010.
 17. G. H. Fath, & Tabar, The Number of Closed Walks of Some Infinite Class of Fullerenes, MATH/CHEM/COMP 2010, 2010.
 18. G. H. Fath, & Tabar, The PI-Index of Some Nano Structures, MATH/CHEM/COMP 2010, 2010.
 19. G. H. Fath, & Tabar, Computing Closed Walks of Nanostar Dendrimers, 6th Nanoscience and Nanotechnology Conference (NanoTR-VI), 2010.
 20. G. H. Fath, & Tabar, 5. Some Topological Indices Of Non-Commuting Graph Of Dihedral Groups, The First Iranian Conference on Chemical Graph Theory, 2010.

Papers in Journals

1. Fatemeh Taghvaei, Gholam Hossein Fath, & Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, Linear Algebra and its Applications, pp. 190-205, 2020 8 20.
2. F. Taghvaei, G.H. Fath, & Tabar, Note on skew-eigenvalues of digraphs, Transactions on Combinatorics, pp. 12, 2023 3 12.
3. Fatemeh Taghvaei, Gholam Hossein Fath, & Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, Linear Algebra and its Applications, 2020 8 20.
4. Fatemeh Taghvaei, Gholam Hossein Fath, & Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, Linear Algebra and its Applications, 2020 8 20.
5. Fatemeh Taghvaei, Gholam Hossein Fath, & Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, Linear Algebra and its Applications, 2020 8 20.

6. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, *Linear Algebra and its Applications*, 2020 8 20.
7. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, *Linear Algebra and its Applications*, 2020 8 20.
8. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, *Linear Algebra and its Applications*, 2020 8 20.
9. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, *Linear Algebra and its Applications*, 2020 8 20.
10. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, *Linear Algebra and its Applications*, 2020 7 20.
11. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
12. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
13. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
14. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
15. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
16. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
17. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
18. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
19. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
20. S. Akbari, G. H. Fath ,& Tabar and E. Ghasemian, An inequality using perfect- matchings and Laplacian spread of a graph, *Linear and Multilinear Algebra*, pp. 138-148, 2018.
21. E. Ghasemian and G. H. Fath ,& Tabar, Signed generalized Peterson graph and its characteristic polynomial, *Journal of Algebraic Systems*, pp. 13-28, 2018.
22. G.H. Fath ,& Tabar, Some new upper bounds on the Wiener and edge wiener index of k-connected graphs, *Ars combinatoria*, 2018.
23. G.H. Fath ,& Tabar, Some new upper bounds on the Wiener and edge wiener index of k-connected graphs, *Ars combinatoria*, Vol. 136, pp. 335-339, 2018.
24. E. Ghasemian and G. H. Fath ,& Tabar, Signed generalized Peterson graph and its characteristic polynomial, *Journal of Algebraic Systems*, 2018.
25. S. Akbari, G. H. Fath ,& Tabar and E. Ghasemian, An inequality using perfect- matchings and Laplacian spread of a graph, *Linear and Multilinear Algebra*, 2018.
26. R. Nasiri, H. R. Ellahi, A. Gholami A.R. Ashrafi and G. H. Fath ,& Tabar, Resol- vent Estrada and Signless Laplacian Estrada Indices of Graphs, *MATCH Commun. Math. Comput. Chem*, 2017.
27. S. Jafari, A.R. Ashra, G.H. Fath ,& Tabar and M. Tavakoli, Remarks on the inner power of graphs, *J. Appl. Math. Informatics*, Vol. 35, pp. 25 - 32, 2017.
28. R. Nasiri, H. R. Ellahi, G. H. Fath ,& Tabar and A. Gholami, The Signless Lapla- cian Estrada Index of Unicyclic Graphs, *Mathematics Interdisciplinary Research*, pp. 155 - 167, 2017.
29. R. Nasiri, H. R. Ellahi, A. Gholami A.R. Ashrafi and G. H. Fath ,& Tabar, Resol- vent Estrada and Signless Laplacian Estrada Indices of Graphs, *MATCH Commun. Math. Comput. Chem*, pp. 157-176, 2017.

30. S. Jafari, A.R. Ashra, G.H. Fath ,& Tabar and M. Tavakloli,Remarks on the inner power of graphs,J. Appl. Math. Informatics,2017.
31. R. Nasiri, H. R. Ellahi, G. H. Fath ,& Tabar and A. Gholami,The Signless Laplacian Estrada Index of Unicyclic Graphs,Mathematics Interdisciplinary Research,2017.