



## 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, نهمین کنفرانس نظریه گراف و ترکیبیات جبری ایران, کرج.
3. سیده الهام قاسمیان, غلامحسین فتح تبار فیروزجائی, گراف های دوبخشی علامت دار با دو مقدار ویژه. AIMCFY28 8 2016, کرج, چهارم و هفتمین کنفرانس ریاضی ایران, کرج.
4. Ordering oriented bicyclic graphs with  $\chi$ ed, فاطمه تقوایی ارانی, غلامحسین فتح تبار فیروزجائی.

- diameter. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۱۲ ۹ ۲۰۱۵, 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, ۱۲ ۹ ۲۰۱۵, کاشان.
  6. On the Signless Laplacian Spectral Moment of Graphs. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۱۷ ۱۲ ۲۰۱۴, کاشان.
  7. Skew-eigenvalues of Cartesian and lexicographic products of graphs, ۱۷ ۱۲ ۲۰۱۴, ساوه. هفتمین کنفرانس و کارگاه ریاضی-شیمی، ساوه.
  8. The power graph of  $\square_n$  with at most two main signless Laplacian eigenvalues, ۱۷ ۱۲ ۲۰۱۴, ساوه. هفتمین کنفرانس و کارگاه ریاضی-شیمی، ساوه.
  9. On  $Q$ -spectral moments of unicyclic graphs, ۱۷ ۱۲ ۲۰۱۴, ساوه. هفتمین کنفرانس و کارگاه ریاضی-شیمی، ساوه.
  10. زهرا پوردکان، غلامحسین فتح تبار فیروزجائی، نسخه راسی قضیه وینر، هفتمین کنفرانس و کارگاه ریاضی-شیمی، ساوه، ۱۷ ۱۲ ۲۰۱۴.
  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, ۱۷ ۱۲ ۲۰۱۴, 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 Innite 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. H. Taheri, G.H. Fath ,& Tabar, On Minimum Algebraic Connectivity of Tricyclic Graphs, Mathematics Interdisciplinary Research, 2023 4 11.
3. F. Taghvaei, G.H. Fath ,& Tabar, Note on skew-eigenvalues of digraphs, Transactions on Combinatorics, pp. 12, 2023 3 12.
4. M Arabzadeh, GH Fath ,& Tabar, H Rasouli, A Tehranian, On the difference between Laplacian and signless Laplacian coefficients of a graph and its applications on the fullerene graphs, Iranian Journal of Mathematical Chemistry, 2023 3 10.
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 8 20.
  11. 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.
  12. 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.
  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. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
  21. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar, Packing stars in fullerenes, *Journal of Mathematical Chemistry*, 2020 11 15.
  22. E. Ghasemian and G. H. Fath ,& Tabar, Signed generalized Peterson graph and its characteristic polynomial, *Journal of Algebraic Systems*, pp. 13-28, 2018.
  23. 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.
  24. G.H. Fath ,& Tabar, Some new upper bounds on the Wiener and edge wiener index of k-connected graphs, *Ars combinatoria*, 2018.
  25. E. Ghasemian and G. H. Fath ,& Tabar, Signed generalized Peterson graph and its characteristic polynomial, *Journal of Algebraic Systems*, 2018.
  26. 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.
  27. 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.
  28. R. Nasiri, H. R. Ellahi, G. H. Fath ,& Tabar and A. Gholami, The Signless Laplacian 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, Resolvent 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, Remraks on the inner power of graphs, *J. Appl. Math. Informatics*, 2017.
31. S. Jafari, A.R. Ashra, G.H. Fath ,& Tabar and M. Tavakloli, Remraks on the inner power of graphs, *J. Appl. Math. Informatics*, Vol. 35, pp. 25 - 32, 2017.
32. 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.
33. R. Nasiri, H. R. Ellahi, G. H. Fath ,& Tabar and A. Gholami, The Signless Lapla- cian Estrada Index of Unicyclic Graphs, *Mathematics Interdisciplinary Research*, 2017.