



## 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, 17-19 July 2017, Zilona.
2. Separating sets and Laplacian eigenvalues of graphs. 22-24 July 2017, Tehran, Iran.
3. Sidede ham qasmiyan, Ghlamhsin fathtabar, Graf hay dobxshi elamt dar ba do mqtar wize. 22-24 July 2016, Kermaj, Iran.
4. Ordering oriented bicyclic graphs with  $\chi$ ed. Fatme tqoabi arani, Ghlamhsin fathtabar, 22-24 July 2016, Kermaj, Iran.

- diameter. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۱۲ ۹ ۲۰۱۵, کاشان.
5. Sیده الهام قاسمیان, غلامحسین فتح تبار فیروزجائی, 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. فاطمه تقوایی ارانی, غلامحسین فتح تبار فیروزجائی, 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. فاطمه تقوایی ارانی, غلامحسین فتح تبار فیروزجائی, Skew-eigenvalues of Cartesian and lexicographic products of graphs, ۱۷ ۱۲ ۲۰۱۴, ساوه.
  8. مهرونوش جاورسینه, غلامحسین فتح تبار فیروزجائی, The power graph of  $\square_n$  with at most two main signless Laplacian eigenvalues, ۱۷ ۱۲ ۲۰۱۴, ساوه.
  9. حمید رضا الهی, رامین نصیری, احمد غلامی, غلامحسین فتح تبار فیروزجائی, On  $Q$ -spectral moments of unicyclic graphs, ۱۷ ۱۲ ۲۰۱۴, ساوه.
  10. زهرا پوردکان, غلامحسین فتح تبار فیروزجائی, نسخه راسی قضیه وینر, هفتمین کنفرانس و کارگاه ریاضی- شیمی, ۱۷ ۱۲ ۲۰۱۴, ساوه.
  11. سیده الهام قاسمیان, فاطمه تقوایی ارانی, غلامحسین فتح تبار فیروزجائی, 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 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. 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.