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Publications

Journals

- M. H. Alizadeh, A. N. Iusem, W. Sosa, "Some recent results on premonotone operators", *Journal of Convex Analysis*, Vol. 31, NO. 2, 2024
- M. H. Alizadeh, A.Y. Zanjani, "On the sum rules and maximality of generalized subdifferentials", *Optimization*, 2024, doi: <https://doi.org/10.1080/02331934.2023.2187666>
- Alizadeh, M.H., "On e-convex functions and e-subdifferentials in locally convex spaces", *Optimization*, Vol. 72, NO. 5, pp. 1247-1362, 2023, doi: <https://doi.org/10.1080/02331934.2021.2015769>
- Alizadeh, M. H., "On the sigma-conjugate maps", *PJM*, Vol. 12, NO. 1, pp. 1-4, 2023
- M. H. Alizadeh, J. Hosseinabadi, "On σ -subdifferential polarity and Frechet σ -subdifferential", *Numer. Funct. Anal. Optim.*, Vol. 44, NO. 7, pp. 603-618, 2023
- Alizadeh, M.H., and Mako, J., "On e-convexity", *Miskolc Mathematical Notes*, Vol. 23, NO. 1, pp. 51-60, 2022
- Alimohammady, M., Alizadeh, M.H., Jahangir, A., Ramazannejad, M., Roohi, M., " θ -Monotone Operators and Bifunctions", *Filomat*, Vol. 36, NO. 6, pp. 1819-1836, 2022, doi:



<https://doi.org/10.2298/FIL2206819A>

- Alizadeh, M.H, "On generalized convex functions and generalized subdifferential (II)", Optimization Letter, Vol. 15, NO. 6, pp. 1862-4472, 2021, doi:
<https://doi.org/10.1007/s11590-020-01682-0>
- Adly, S. and Alizadeh, M.H. and Flores-Bazán, F., "Special issue on variational analysis, optimization and their applications", Optimization Letter, Vol. 15, NO. 3, 01, 2021, doi:
<https://doi.org/10.1007/s11590-021-01703-6>
- Alizadeh, M.H, "Linear maps and covariance sets", Int. J. Nonlinear Anal. Appl., Vol. 12, NO. 2, pp. 495-497, 2, 2021, doi:
[10.22075/IJNAA.2020.19469.2081](https://doi.org/10.22075/IJNAA.2020.19469.2081)
- Alizadeh, M.H, "On generalized convex functions and generalized subdifferential", Optimization Letter, Vol. 14, NO. 1, pp. 157-169, 06, 2020, doi:
<https://doi.org/10.1007/s11590-018-1326-y>
- Hadi Khatibzadeh, Vahid Mohebbi, and Mohammad Hossein Alizadeh, "On the cyclic pseudomonotonicity and the proximal point algorithm", Numerical Algebra, Control & Optimization , Vol. 8, NO. 4, pp. 441-449, 2018
- M.H. Alizadeh and M. Roohi, "Some results on pre-monotone operators. ", Bull. Iran. Math. Soc. , Vol. 43, NO. 6, pp. 2085-2097, 2017
- Alizadeh, M.H., Bianchi, M., Hadjisavvas. N and Pini. R., "On cyclic and n-cyclic monotonicity of bifunctions", J. Global Optim. , Vol. 60, NO. 4, pp. 599-616, 2014
- Alizadeh, M. H., "Note on the Covariance Coset of the Moore-Penrose Inverses in C*-Algebras", Journal of Mathematical Extension , Vol. 7, 2013
- Alizadeh, M. H., Hadjisavvas, N., "On the Fitzpatrick transform



of a monotone bifunction", Optimization, Vol. 62, pp. 693-701, 2013

- Alizadeh, M. H., Hadjisavvas, N. and Roohi., "Local boundedness properties for generalized monotone operators", Journal of Convex Analysis, Vol. 19, NO. 1, pp. 49-61, 2012
- Alizadeh, M. H., Hadjisavvas, N., "Local boundedness of monotone bifunctions", J. Global Optim. , Vol. 53, pp. 231-241, 2012
- Alizadeh, M. H., "On the covariance of generalized inverses in C*-Algebra", Journal of Numerical Analysis, Industrial and Applied Mathematics, Vol. 5, 2011
- Alizadeh, M. H., "On the covariance of generalized inverses in C*-Algebra", JNAIAM (Journal of Numerical Analysis, Industrial and Applied Mathematics) , Vol. 5, 2011
- Khosravi A., Alizadeh, M. H. , "Generalized inverse of product", Int. J. of Appl. Math., Vol. 10, NO. 2, 2002

Conferences

- Alizadeh, M. H., "On σ -convexity and σ -monotonicity (invited speaker)", International Workshop Variational Analysis and Optimization II, Milan, Italy, pp. 1-2, 04, 2024
- Mohammad Hossein Alizadeh , "On the Sigma-conjugate functions", The Third International Conference of Mathematics and its Applications (TICMA2022), 2022
- Alizadeh, M.H, "On generalized subdifferentials in Banach spaces (Invited speaker)", The 6th Seminar on Functional Analysis and its Applications, pp. 1-4, 3, 2021
- Mohammad Hossein Alizadeh (Invited Speaker), "A short overview of the historical path of monotone operators and



bifunctions", The Second Workshop on Nonsmooth Optimization and its Applications, pp. 1-16, 06, 2021

- Alizadeh, M. H., " σ -convex functions and their properties", National Seminar on Control and Optimization, 2019
- Alizadeh, M. H., "Fitzpatrick function for pre-monotone operators", 12th International Symposium on Generalized Convexity and Monotonicity, Debrecen, Hungary, 2017
- Alizadeh, M. H., "A polarity approach to sigma-monotonicity", • The 22nd Seminar on Mathematical Analysis and It's Applications, pp. 210-213, 2017
- Alizadeh, M. H., "Generalized monotone operators and bifunctions", Third international conference on nonlinear analysis and optimization, pp. 3-4, 2015
- Alizadeh, M. H., Hadjisavvas, N., "Fitzpatrick Transform of Sum", The 45th Annual Iranian Mathematics Conference, 2014
- Alizadeh, M. H., Hadjisavvas, N., "n-cyclically monotone bifunctions", ORO2013, University of the Tehran, pp. 51-55, 2013
- Mohammad Hossein Alizadeh, "On the closeness of sum of two pre-monotone operators.", 44th Annual Iranian Mathematics Conference (AIMC44), pp. 174-177, 9, 2013
- Alizadeh, M. H., Hadjisavvas, N., "Local boundedness of monotone bifunctions", 10th International Symposium on Generalized Convexity and Monotonicity, Babes-Bolyai University, Romania, 2011
- Alizadeh, M. H., "On the covariance of Moore-Penrose inverses in C^* -Algebra", International Conference of Numerical Analysis and Applied Mathematics (ICNAAM-Greece), 2005
- Alizadeh, M. H., Khosravi, A., "On a question of Mbekhta. ", 31st



Iranian Mathematics Conference (Tehran), 2000