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List of Publications (13 mars 2023)

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PUBLICATIONS

1. Fatimah Alrusaini (Student), M. Alzohiri, M. Bouaziz, Y. Boudabbous, "Description of the minimal prime extension pairs of the 3-vertex graphs", *J. of Mult-Valued Logic and Soft Computing* **39, (2-4)**, 291-340, (2022).
2. M. Alzohairi, M. Bouaziz, Y. Boudabbous, A. Sharary, "Finite orders which are reconstructible up to duality by their comparability graphs", *Bulletin of the Malaysian Mathematical Sciences Society* **43, (3)**, 2297-2312, (2020).
3. M. Alzohairi, M. Bouaziz, Y. Boudabbous, A. Sharary, "Description of the Orders Which are Hereditarily Half-reconstructible by Their Comparability Graphs", *J. of Mult-Valued Logic and Soft Computing* **29, (3-4)**, 373-388, (2017).
4. N. Dhouibi, M. Dallel, D. Das, M. Bouaziz, N. Ouerfelli, A.H. Hamzaoui, "Notion of viscosity Arrhenius temperature for N, N-dimethylacetamide with N, N-dimethylformamide binary mixtures and its pure components", *Physics and Chemistry of Liquids ;* **53, (2)**, 275-292, (2015).
5. Noureddine Ouerfelli, Moncef Bouaziz and J.V. Herráez, "Treatment of Herráez equation correlating viscosity in binary liquid mixtures exhibiting strictly monotonous distribution", *Physics and Chemistry of Liquids ;* **51, (1)**, 55-74, (2013).
6. M. Alzohairi, M. Bouaziz, Y. Boudabbous, "Orders and (≤ 4)-Hemimorphy", *J. of Mult-Valued Logic and Soft Computing* **21, (3-4)**, 355-371, (2013).
7. N. Dhouibi, A. Messâadi, N. Ouerfelli, M. Bouaziz and A.H. Hamzaoui, "Correspondence between Grunberg-Nissan, Arrhenius and Jouyban-Acree parameters for viscosity of $1,4$-dioxane + water binary mixtures from $293.15K$ to $320.15K$,", *Physics and Chemistry of Liquids* **50 (6)**, 750-772, (2012).
8. M. Bouaziz, Y. Boudabbous, N. El Amri, "Hereditary hemimorphy of $\{-k\}$-hemimorphic tournaments for $k \geq 5$", *J. Korean Math. Soc* **48 (3)** , 599-626, (2011).
9. E. Cherif, N. Ouerfelli, M. Bouaziz, "Competition between Redlich-Kister and adapted Herráez equations of correlation conductivities in isobutyric acid + water binary mixtures near and far away from the critical temperature", *Physics and Chemistry of Liquids* **49 (2)** , 155-171, (2011).
10. M. Bouaziz, M. Couceiro, M. Pouzet, "Join-Irreducible Boolean Functions", *Order,* **27 (3)**, 261-282, (2010).
11. N. Ouerfelli, O. Iulian, M. Bouaziz, "Competition between Redlich-Kister and improved Herráez equations of correlation viscosities in $1,4$-dioxane +water binary mixtures at different temperatures", *Physics and Chemistry of Liquids,* **48, (4)**, 488-513, (2010).

12. H. Belkhechine, M. Bouaziz, I. Boudabbous et M. Pouzet, "Inversion dans les tournois", *C. R. Acad. Sci. Paris, Ser. I* **348**, 703-707, (2010).
13. M. Bouaziz, Y. Boudabbous, "Demi-isomorphie, autodualité et tournois non fortement connexes finis", *C.R. Acad. Sci. Paris Série I Math* **335**, 411-416, (2002).
14. M. Bouaziz, Y. Boudabbous, "La demi-isomorphie et les tournois fortement connexes finis", *C.R. Acad. Sci. Paris Série I Math* **335**, 105-110, (2002).

Accepted paper

1. M. Bouaziz and N. Elamri, "The hereditary-half-reconstructibility of digraphs", *Accepted : J. of Multiple-Valued Logic and Soft Computing* , (2023).
2. M. Alzohairi, M. Bouaziz and Y. Boudabbous, "Recursive construction of the minimal prime digraphs", *Submitted : J. of Multiple-Valued Logic and Soft Computing* , (2023).

Papers in preparation with Students

1. Fatimah Alrusaini (Student), M. Bouaziz, Y. Boudabbous, "Description of the minimal prime extension pairs of the 3-vertex tournaments", , (2022-2023).
2. Aisha Alaarini (Student), M. Alzohairi, A. Ben Amira, M. Bouaziz, Y. Boudabbous, "Minimal Number of Edges and Primeness", , (2022-2-23).
3. Aisha Alaarini (Student), M. Bouaziz, Y. Boudabbous, "Hereditary hemimorphy of $\{-k\}$-hemimorphic posets for $k \geq 3$", , (2021-2023).

Paper in preparation

1. M. Alzohairi, M. Bouaziz, Y. Boudabbous, M. Talibi, "The friendship problem on digraphs", , (2022-2023).