

Math Department
2015 Peer-Reviewed Publication List

K.C. Ciesielski and J. Jasinski, On closed subsets of \mathbf{R} and of \mathbf{R}^2 admitting Peano functions, *Real Anal. Exchange* 40(2) (2015), 309-317

G.T. Herman, T.Y. Kong, and **K.C. Ciesielski**, *Fuzzy Connectedness Segmentation: A Brief Presentation of the Literature*, IWCIA 2015, Lecture Notes in Comp. Sci. 9448, pp. 21-30

K.C. Ciesielski and J. Jasinski, *An auto-homeomorphism of a Cantor set with zero derivative everywhere*, *J. Math. Anal. Appl.* 434(2) (2016), 1267-1280

K.C. Ciesielski and **J. Wojciechowski**, *Cardinality of regular spaces admitting only constant continuous functions*, *Topology Proc* 47 (2016), 313-329.

K.C. Ciesielski, G.T. Herman, and T.Y. Kong, General Theory of Fuzzy Connectedness Segmentations, *Journal of Mathematical Imaging and Vision*, eprint online, DOI: 10.1007/s10851-015-0623-7

Murphy, K., and **Darrah, M.** (2015). Haptics-based apps for middle school students with visual impairments. *IEEE Transactions on Haptics*, 8(3), 318-326. doi:10.1109/TOH.2015.2401832

Darrah, M., Wilhelm, J., Munasinghe, T., Duling, K., Sorton, E., Yokum, S., Wathen, M. and Rojas J. (2015) A Flexible Genetic Algorithm System for Multi UAV Surveillance: Algorithm and Flight Testing. *Unmanned Systems* (3) 1, 49-62.

Mera Trujillo, M., Duling, K., **Darrah, M.**, **Fuller, E.** and Wathen, M. (2015) Fitness Function Changes to Improve Performance in a GA Used for Multi-UAV Tasking. *Proceedings of Workshop on Research, Education and Development of Unmanned Aerial Systems*. Cancun, Mexico, November 23-25, 2015.

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Deshler, J.M., Hauk, S. & Speer, N.M., (2015). Professional Development in Teaching for Mathematics Graduate Students, *The Notices of the American Mathematical Society*, 62 (6)

LaRue, R. & Engelke Infante, N. (2015) Optimization in First Semester Calculus: A Look at a Classic Problem, *International Journal of Mathematical Education in Science and Technology*, 46(7), 1021-1031. DOI: 10.1080/0020739X.2015.1067844

Vincent, B., **LaRue, R., Sealey, V. & Engelke, N.** (2015) Calculus Students' Early Concept Images of Tangent Lines, *International Journal of Mathematical Education in Science and Technology*, 46(5), 641-657. DOI: 10.1080/0020739X.2015.1005700

LaRue, R. & Engelke Infante, N. (2015). Optimization Problems in First Semester Calculus. Published in the Proceedings of the 37th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, East Lansing, MI. <https://www.msu.edu/~brakoni1/PMENA-2015-PROCEEDINGS-2015-11-04.pdf>

LaRue, R. & Engelke Infante, N. (2015). The Influence of Function and Variable on Students' Understanding of Calculus Optimization Problems. Published in the Proceedings of the 18th Annual Conference on Research in Undergraduate Mathematics Education, Pittsburgh, PA. <http://sigmaa.maa.org/rume/RUME18-final.pdf>

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Xingqin Qi, Ruth Luo, **Edgar Fuller, Rong Luo**, and **Cun-Quan Zhang**. Signed quasi-clique merger: a new clustering method for signed networks with positive and negative edges. *International Journal of Pattern Recognition and Artificial Intelligence*, eprint online, DOI: 10.1142/S0218001416500063

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