

1. SCIE, SCOPUS 학술지 게재 논문

- [1] Y. S. Eom, S. M. Yun, and S. J. Lee, "Four types of generalized fuzzy continuous mappings," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 23, pp. 303–310, 09 2023.
- [2] S. M. Yun, Y. S. Eom, and S. J. Lee, "Topology of the redefined intuitionistic fuzzy rough sets," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 21, no. 4, pp. 369–377, 2021.
- [3] S. M. Yun and S. J. Lee, "New approach to intuitionistic fuzzy rough sets," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 20, no. 2, pp. 129–137, 2020.
- [4] J. T. Kim and S. J. Lee, "Pairwise precontinuity in intuitionistic smooth bitopological spaces," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 19, no. 3, pp. 204–212, 2019.
- [5] Y. C. Kim, A. A. Ramadan, and S. J. Lee, "Categories of Alexandrov L-fuzzy pre-uniformities, L-approximation operators and Alexandrov L-fuzzy topologies," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 19, no. 1, pp. 28–39, 2019.
- [6] S. M. Yun and S. J. Lee, "Intuitionistic fuzzy topologies induced by intuitionistic fuzzy approximation spaces," *International Journal of Fuzzy Systems*, vol. 19, no. 2, pp. 285–291, 2017.
- [7] S. M. Yun and S. J. Lee, "Intuitionistic fuzzy rough approximation operators," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 15, no. 3, pp. 208–215, 2015.
- [8] S. J. Lee and S. M. Yun, "Fuzzy δ -topology and compactness," *Commun. Korean Math. Soc.*, vol. 27, no. 2, pp. 357–368, 2012.
- [9] S. J. Lee and J. T. Kim, "Fuzzy strongly (r, s) -pre-open and preclosed mappings," *Commun. Korean Math. Soc.*, vol. 26, no. 4, pp. 661–667, 2011.
- [10] S. J. Lee and S. M. Yun, "Fuzzy delta separation axioms," *IEEE International Conference on Fuzzy Systems*, vol. 2011, pp. 595–602, 2011.
- [11] S. J. Lee and Y. S. Eoum, "Intuitionistic fuzzy θ -closure and θ -interior," *Commun. Korean Math. Soc.*, vol. 25, no. 2, pp. 273–282, 2010.
- [12] S. J. Lee and J. M. Chu, "Categorical property of intuitionistic topological spaces," *Commun. Korean Math. Soc.*, vol. 24, no. 4, pp. 595–603, 2009.
- [13] S. J. Lee and E. P. Lee, "Intuitionistic fuzzy proximity spaces," *Int. J. Math. Math. Sci.*, vol. 2004, no. 49, pp. 2617–2628, 2004.
- [14] S. J. Lee and E. P. Lee, "Fuzzy strongly r -semicontinuous maps," *Commun. Korean Math. Soc.*, vol. 18, no. 2, pp. 341–353, 2003.
- [15] S. J. Lee and E. P. Lee, "Fuzzy r -regular open sets and fuzzy almost r -continuous maps," *Bull. Korean Math. Soc.*, vol. 39, no. 3, pp. 441–453, 2002.
- [16] S. J. Lee and E. P. Lee, "Fuzzy r -continuous and fuzzy r -semicontinuous maps," *Int. J. Math. Math. Sci.*, vol. 27, no. 1, pp. 53–63, 2001.
- [17] S. J. Lee and E. P. Lee, "The category of intuitionistic fuzzy topological spaces," *Bull. Korean Math. Soc.*, vol. 37, no. 1, pp. 63–76, 2000.

- [18] S. J. Lee and E. P. Lee, "Fuzzy r -preopen sets and fuzzy r -precontinuous maps," Bull. Korean Math. Soc., vol. 36, no. 1, pp. 91–108, 1999.
- [19] S. J. Lee and K. C. Min, "An isomorphism for infinite dimensional calculus," Commun. Korean Math. Soc., vol. 13, no. 3, pp. 475–480, 1998.
- [20] S. J. Lee and L. D. Nel, "Foundational isomorphisms in continuous differentiation theory," Appl. Categ. Structures, vol. 6, no. 1, pp. 127–135, 1998.

2. 국제, 등재학술지 게재 논문

- [21] S. M. Yun and S. J. Lee, "Categorical properties of preordered intuitionistic fuzzy approximation spaces," Journal of the Chungcheong Mathematical Society, vol. 36, no. 2, pp. 135–148, 2023.
- [22] J. T. Kim and S. J. Lee, "Generalized fuzzy closed sets on intuitionistic fuzzy topological spaces," Journal of the Chungcheong Mathematical Society, vol. 35, no. 3, pp. 243–254, 2022.
- [23] J. T. Kim and S. J. Lee, "Pairwise preopen and preclosed mappings in the intuitionistic smooth bitopological spaces," Journal of the Chungcheong Mathematical Society, vol. 32, no. 4, pp. 465–473, 2019.
- [24] S. J. Lee and J. T. Kim, "Continuous mappings in intuitionistic fuzzy bitopological spaces," Far East Journal of Mathematical Sciences, vol. 100, no. 7, pp. 1119–1140, 2016.
- [25] J. T. Kim and S. J. Lee, "Pairwise semiopen and semiclosed mappings in intuitionistic smooth bitopological spaces," Journal of the Chungcheong Mathematical Society, vol. 29, no. 2, pp. 367–374, 2016.
- [26] J. T. Kim and S. J. Lee, "Categorical aspect of intuitionistic fuzzy topological spaces," Int. J. Fuzzy Log. Intell. Syst., vol. 15, no. 2, pp. 137–144, 2015.
- [27] S. M. Yun and S. J. Lee, "Intuitionistic fuzzy topology and intuitionistic fuzzy preorder," Int. J. Fuzzy Log. Intell. Syst., vol. 15, no. 1, pp. 79–86, 2015.
- [28] J. T. Kim and S. J. Lee, "The preservation theorems of fuzzy (r,s) -semi-irresolute mappings," Journal of the Chungcheong Mathematical Society, vol. 28, no. 1, pp. 139–143, 2015.
- [29] J. T. Kim and S. J. Lee, "Fuzzy almost strongly (r,s) -semiopen and semiclosed mappings," Korean Journal of Mathematics, vol. 23, no. 1, pp. 73–79, 2015.
- [30] J. T. Kim and S. J. Lee, "Intuitionistic smooth bitopological spaces and continuity," Int. J. Fuzzy Log. Intell. Syst., vol. 14, no. 1, pp. 49–56, 2014.
- [31] Y. S. Eom and S. J. Lee, "Intuitionistic fuzzy δ -continuous mappings," Int. J. Fuzzy Log. Intell. Syst., vol. 13, no. 4, pp. 336–344, 2013.
- [32] Y. S. Eom and S. J. Lee, "Intuitionistic fuzzy theta-compact spaces," Int. J. Fuzzy Log. Intell. Syst., vol. 13, no. 3, pp. 224–230, 2013.
- [33] Y. S. Eom and S. J. Lee, "Delta closure and delta interior in intuitionistic fuzzy topological spaces," Int. J. Fuzzy Log. Intell. Syst., vol. 12, no. 4, pp. 290–295, 2012.

- [34] S. J. Lee and J. T. Kim, "Fuzzy almost strongly (r, s) -semicontinuous mappings," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 12, no. 2, pp. 149–153, 2012.
- [35] S. J. Lee and J. T. Kim, "Fuzzy (r, s) - s_1 -presemicontinuous mappings," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 11, no. 4, pp. 254–258, 2011.
- [36] S. J. Lee and J. T. Kim, "Properties of fuzzy (r, s) -semi-irresolute mappings in intuitionistic fuzzy topological spaces," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 11, no. 3, pp. 190–196, 2011.
- [37] S. J. Lee and J. T. Kim, "Fuzzy strongly (r, s) -precontinuous mappings," *IEEE International Conference on Fuzzy Systems*, vol. 2009, pp. 581–586, 2009.
- [38] J. T. Kim and S. J. Lee, "Fuzzy weakly (r, s) -semicontinuous mappings," *Journal of the Chungcheong Mathematical Society*, vol. 22, no. 2, pp. 187–199, 2009.
- [39] S. J. Lee, J. T. Kim, and Y. S. Eoum, "Fuzzy (r, s) -pre-semicontinuous mappings," *J. Korean Institute of Intelligent Systems*, vol. 18, no. 3, pp. 406–411, 2008.
- [40] S. J. Lee and J. T. Kim, "Fuzzy weakly r -semicontinuous mappings," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 8, no. 2, pp. 111–115, 2008.
- [41] S. J. Lee and J. T. Kim, "Fuzzy (r, s) -irresolute maps," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 7, no. 1, pp. 49–57, 2007.
- [42] S. J. Lee and Y. C. Kim, "Residuated partially ordered semigroups," *J. Korean Institute of Intelligent Systems*, vol. 17, no. 7, pp. 981–985, 2007.
- [43] S. J. Lee and J. T. Kim, "Fuzzy (r, s) -semi-preopen sets and fuzzy (r, s) -semi-precontinuous maps," *J. Korean Institute of Intelligent Systems*, vol. 17, no. 4, pp. 550–556, 2007.
- [44] Y. C. Kim and S. J. Lee, "Category of two types of uniform spaces," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 6, no. 3, pp. 202–209, 2006.
- [45] S. J. Lee and E. P. Lee, "Fuzzy (r, s) -semicontinuous mappings on intuitionistic fuzzy topological spaces in Sostak's sense," *J. Korean Inst. Intell. Syst.*, vol. 16, no. 1, pp. 108–112, 2006.
- [46] S. J. Lee and E. P. Lee, "Initial structure of intuitionistic fuzzy proximity," *J. Korean Inst. Intell. Syst.*, vol. 15, pp. 116–119, 2005.
- [47] M.-H. Kim, M.-S. Kim, and S. J. Lee, "Fuzzy linearity of the seminormed fuzzy integrals of interval-valued functions," *J. Korean Inst. Intell. Syst.*, vol. 14, no. 3, pp. 262–266, 2004.
- [48] S. J. Lee, J. H. Park, and K. C. Min, "Fuzzy strongly r -semicontinuous maps II," *Far East J. Math. Sci. (FJMS)*, vol. 6, no. 2, pp. 211–224, 2002.
- [49] Y. C. Kim and S. J. Lee, "Fuzzy quasi-uniform bases and fuzzy topological spaces," *Far East J. Math. Sci. (FJMS)*, vol. 5, no. 2, pp. 191–208, 2002.
- [50] S. J. Lee and Y. S. Eoum, "Fuzzy r -pre-semineighborhoods and r -pre-semicontinuous maps," *Int. J. Fuzzy Log. Intell. Syst.*, vol. 1, no. 1, pp. 62–68, 2001.
- [51] Y. C. Kim and S. J. Lee, "Some properties of $r - T_0$ and $r - T_1$ spaces," *Far East J. Math. Sci. (FJMS)*, vol. 3, no. 4, pp. 615–630, 2001.
- [52] S. J. Lee, S. O. Lee, and J. H. Park, "Fuzzy strongly r -semineighborhoods," *J. Korean Inst. Intell. Syst.*, vol. 11, no. 3, pp. 275–279, 2001.

- [53] S. J. Lee and E. P. Lee, "Category of intuitionistic fuzzy proximity spaces," IEEE International Conference on Fuzzy Systems, vol. 8, pp. 164–168, 1999.
- [54] Y. C. Kim and S. J. Lee, "Some properties of fuzzy quasi-uniform spaces," Kangweon-Kyungki Math. Jour., vol. 6, no. 1, pp. 97–115, 1998.
- [55] S. J. Lee, S. O. Lee, and E. P. Lee, "Fuzzy r-semicontinuous, r-semiopen and r-semiclosed maps," Kangweon-Kyungki Math. Jour., vol. 6, no. 1, pp. 117–125, 1998.
- [56] S. J. Lee, E. S. Park, and E. P. Lee, "A generalization of a lattice fuzzy topology," Commun. Korean Math. Soc., vol. 12, no. 1, pp. 113–126, 1997.
- [57] S. O. Lee, S. J. Lee, and E. A. Choi, "On δ -frames," Journal of the Chungcheong Mathematical Society, vol. 10, pp. 43–56, 1997.
- [58] S. O. Lee, C. H. Jeong, and S. J. Lee, "고대 와 중세의 서양 논리사," 한국수학사학회지, vol. 10, no. 1, pp. 1–11, 1997.
- [59] S. O. Lee and S. J. Lee, "중세 이후의 서양 논리사," 한국수학사학회지, vol. 10, no. 2, pp. 64–71, 1997.
- [60] D. I. Rim, J. H. Yun, and S. J. Lee, "On the m-solution of the first kind equations," Commun. Korean Math. Soc., vol. 10, no. 1, pp. 235–249, 1995.
- [61] S. J. Lee and E. P. Lee, "The lattice fuzzy topology," J. Korean Inst. Intell. Syst., vol. 4, pp. 3–10, 1994.
- [62] K. C. Min, J. W. Park, and S. J. Lee, "Fibrewise convergence," Commun. Korean Math. Soc., vol. 8, no. 2, pp. 335–344, 1993.
- [63] S. J. Lee, S. O. Lee, and J. S. Lim, "Cartesian closedness of the category of fibrewise convergence spaces," Journal of the Chungcheong Mathematical Society, vol. 6, no. 1, pp. 45–52, 1993.
- [64] K. C. Min and S. J. Lee, "Fibrewise convergence and exponential laws," Tsukuba J. Math., vol. 16, no. 1, pp. 53–62, 1992.
- [65] S. J. Lee and E. P. Lee, "Fibrewise Hausdorff convergence spaces," Journal of the Chungcheong Mathematical Society, vol. 5, no. 1, pp. 167–172, 1992.
- [66] S. J. Lee, S. O. Lee, and E. P. Lee, "Limits and colimits in fibrewise convergence spaces," Journal of the Chungcheong Mathematical Society, vol. 4, no. 1, pp. 75–84, 1991.

3. 국제 학술대회 발표 논문

- [67] Y. S. Eom, S. M. Yun, and S. J. Lee, "Continuity of mappings over intuitionistic fuzzy rough sets," Proceedings of ISIS 2017, pp. 67–69, 2017.
- [68] S. M. Yun and S. J. Lee, "Intuitionistic fuzzy approximation spaces induced by intuitionistic fuzzy topologies," Proceedings of ISIS 2016, pp. 774–777, 2016.
- [69] S. M. Yun and S. J. Lee, "Intuitionistic fuzzy topologies induced by intuitionistic fuzzy approximation spaces," Proceedings of ISIS 2015, pp. 1144–1151, 2015.

- [70] S. J. Lee and J. T. Kim, "Alpha and beta continuous mappings in intuitionistic fuzzy bitopological spaces," *Proceedings of ISIS 2013*, pp. 82–89, 2013.
- [71] S. J. Lee and J. T. Kim, "Some properties of intuitionistic fuzzy bitopological spaces," *Proceedings of SCIS-ISIS 2012*, pp. 1040–1045, 2012.
- [72] S. J. Lee and Y. S. Eom, "Delta closure and delta interior operators in intuitionistic fuzzy topological spaces," *Proceedings of ISIS 2011*, pp. 1–4, 2011.
- [73] S. J. Lee and J. T. Kim, "Fuzzy (r,s) -s1-pre-semicontinuous mappings," *Proceedings of SCIS & ISIS 2010*, pp. 641–644, 2010.
- [74] S. J. Lee and J. T. Kim, "Fuzzy (r, s) -semi-irresolute mappings," *Proceedings of ISIS 2009*, pp. 175–178, 2009.
- [75] S. J. Lee and J. M. Chu, "Categorical properties of intuitionistic topological spaces," *Proceedings of SCIS & ISIS 2008*, pp. 396–398, 2008.
- [76] S. J. Lee and Y. S. Eoum, "Intuitionistic fuzzy θ -closure and θ -interior operator," *Proceedings of ISIS 2007*, pp. 536 – 539, 2007.
- [77] S.-Y. Ryu, D.-J. Lee, S. J. Lee, and M.-G. Chun, "Robust on-line signature verification by new segmentation method and fusion model," *Proceedings of SCIE Annual Conference*, pp. 1590–1595, 2003.
- [78] S. J. Lee and E. P. Lee, "Categorical properties of intuitionistic fuzzy topological spaces," *Proceedings of the Third Asian Fuzzy Systems Symposium*, pp. 225–230, 1998.
- [79] S. J. Lee and E. P. Lee, "Fuzzy almost r -continuous maps," *Proceedings of the Third Asian Fuzzy Systems Symposium*, pp. 364– 369, 1998.
- [80] E. P. Lee and S. J. Lee, "Fuzzy strongly r -semicontinuous maps," *Proceedings of the Third Asian Fuzzy Systems Symposium*, pp. 370–375, 1998.

4. 국내 학술지 게재 논문

- [81] S. J. Lee and J. T. Kim, "Fuzzy strongly (r, s) -pre-semi-continuous mappings," *Communications in Mathematics and Mathematical Sciences*, vol. 5, pp. 1–9, 2009.
- [82] J. T. Kim and S. J. Lee, " (r, s) -intuitionistic fuzzy beta-open sets," *Communications in Mathematics and Mathematical Sciences*, vol. 4, pp. 63–67, 2008.
- [83] S. J. Lee, J. T. Kim, and Y. S. Eoum, "Fuzzy (r, s) -pre-semi-open sets," *Communications in Mathematics and Mathematical Sciences*, vol. 3, pp. 41–50, 2007.
- [84] S. J. Lee and J. T. Kim, "Fuzzy r -s-continuous and fuzzy r -s-open maps," *Communications in Mathematics and Mathematical Sciences*, vol. 2, pp. 43–52, 2006.
- [85] S. J. Lee and E. P. Lee, "Fuzzy totally β -continuous and γ -continuous mappings," *Communications in Mathematics and Mathematical Sciences*, vol. 1, pp. 21–30, 2005.
- [86] S. J. Lee and K. C. Min, "L-fuzzy topology and frame," *Journal of the Natural Science Research Institute*, vol. 22, pp. 37–39, 1989.

[87] S. J. Lee, B. S. Lee, and Y. C. Kim, "A generalization of a fuzzy topological spaces," Bulletin of the Natural Sciences, vol. 3, no. 2, pp. 13–19, 1989.

[88] K. C. Min and S. J. Lee, "Solid fuzzy compact spaces," Journal of the Natural Science Research Institute, vol. 21, pp. 19–22, 1988.

5. 국내 학술대회 발표 논문

[89] S. M. Yun, Y. S. Eom, and S. J. Lee, "Properties of intuitionistic fuzzy rough sets," Proceedings of KIIS Annual Conference, vol. 26, no. 1, pp. 45–46, 2016.

[90] S. M. Yun and S. J. Lee, "IF preorders and IF topologies," Proceedings of KIIS Annual Conference, vol. 24, no. 2, 2014.

[91] S. J. Lee and Y. S. Eom, "Intuitionistic fuzzy δ -continuous functions and δ -compact," Proceedings of KIIS Annual Conference, vol. 23, no. 1, 2013.

[92] S. J. Lee and Y. S. Eom, "Intuitionistic fuzzy δ -compact and δ -separated spaces," Proceedings of KIIS Annual Conference, vol. 22, no. 1, 2012.

[93] S. J. Lee and Y. S. Eom, "Intuitionistic fuzzy δ -continuous function," Proceedings of KIIS Annual Conference, vol. 21, no. 2, pp. 100–101, 2011.

[94] S. J. Lee and Y. S. Eom, "Intuitionistic fuzzy θ -compact spaces," Proceedings of KIIS Annual Conference, vol. 21, no. 1, 2011.

[95] S. J. Lee and S. M. Yun, "Fuzzy delta separation axioms," Proceedings of KIIS Annual Conference, vol. 20, no. 2, 2010.

[96] S. M. Yun and S. J. Lee, "Fuzzy δ -topology and compactness," Proceedings of KIIS Annual Conference, vol. 20, no. 1, 2010.

[97] S. J. Lee and J. T. Kim, "Fuzzy almost strongly (r, s) -semicontinuous mappings," Proceedings of KIIS Annual Conference, vol. 19, no. 1, 2009.

[98] J. T. Kim and S. J. Lee, "Fuzzy strongly (r, s) -preopen and preclosed mappings," Proceedings of KIIS Annual Conference, vol. 19, no. 2, 2009.

[99] S. J. Lee and J. T. Kim, "Generalized fuzzy (r, s) -continuous mappings," Proceedings of KIIS Annual Conference, vol. 18, no. 1, 2008.

[100] S. J. Lee and J. T. Kim, " (r, s) -IF contra- β -continuous mappings," Proceedings of KIIS Annual Conference, vol. 18, no. 2, 2008.

[101] S. J. Lee and E. P. Lee, "Intuitionistic fuzzy proximity spaces," Proceedings of KFIS Annual Conference, vol. 8, no. 2, pp. 64–69, 1998.

[102] K. C. Min, S. J. Lee, J. W. Park, and B. S. Lee, "Fuzzy sets and toll sets," 제어계측연구회 합동학술연구발표회 논문집, pp. 133–136, 1993.