

Bibliography

- [1] Alderton, I. W. : Function spaces in fuzzy topology, *Fuzzy sets and systems*, 32(1)(1989), 115-124.

- [2] Arnautov, V. I., Glavatsky, S.T. and Mikhalev, A.V. : Introduction to the theory of topological rings and modules , *Marcel Dekker Inc.*

- [3] Azad, K. K. : On fuzzy semi-continuity, fuzzy almost continuity and fuzzy weakly continuity , *J. Math. Anal. Appl.*, 82(1981), 41-32.

- [4] Bakier, M.Y. : FN -closed sets and fuzzy locally early compact spaces, *Fuzzy sets and systems*, 88(1997), 255-259.

- [5] Bhattacharyya, Anjana and Mukherjee, M.N. : On fuzzy δ -almost continuous and δ^* -almost continuous functions, *J. Tri. Math. Soc.*, 2(2000), 45-57.

- [6] **Bhattacharyya, Anjana and Mukherjee, M.N.** : On α -s-closed crisp subsets of a fuzzy topological space, *Jour. Pure Math.*, 18(2001), 17-27.
- [7] **Brown, J. G.** : A note on fuzzy sets, *Information and control*, 82(1971), 32-39.
- [8] **Carnahan, D.** : Locally nearly compact spaces, *Boll. Un. Math. Ital.*, 4(6)(1972), 146-153.
- [9] **Chadwick, J. J.** : A Generalised form of Compactness in Fuzzy Topological spaces, *J. Math. Anal. Appl.*, 162(1991), 92-110.
- [10] **Chang, C. L.** : Fuzzy topological spaces, *J. Math. Anal. Appl.*, 24(1968), 182-190.
- [11] **Chettri, P.** : A note on α -s-closedness of fuzzy topological spaces, *International Transactions in Mathematical Sciences and Computer*, 2(1)(2009), 29-33.
- [12] **Christoph, F. T.** : Quotient Fuzzy topology and localcompactness, *J. Math. Anal. Appl.*, 57(1977), 497-504.
- [13] **Concillio, A. Di. and Gerla, G.** : Almost compactness in fuzzy topological spaces, *Fuzzy sets and systems*, 13(1984), 187-192.

- [14] Crossley, S. G. and Hilderbrand, S.K. : Semi-closur, *Texas J. Sci.*, 22(1971), 99-112.
- [15] Dang, S and Behera, A. : On fuzzy compact-open topology, *Fuzzy sets and systems*, 80(3)(1996), 377-381.
- [16] Das, P. : Fuzzy semi-closure, *J. Fuzzy Math.*, 2(1994),713-722.
- [17] De Mitri, C. and Pascali, E. : Characterization of fuzzy topologies from neighbourhoods of fuzzy points, *J. Math. Anal. Appl.*, 93(1983), 1-14.
- [18] Deb Ray, A. : On Left Fuzzy Topological Rings, *Communi-cated*.
- [19] Deb Ray, A and Chettri, P. : On fuzzy nearly compact regular open topology, *Advances in Fuzzy Mathematics*, 4(1)(2009), 59-68.
- [20] Deb Ray, A and Chettri, P. : On fuzzy topological ring valued fuzzy continuous functions, *Applied Mathematical Sciences*, 3(24)(2009), 1177-1188.
- [21] Deb Ray, A and Chettri, P. : A note on fuzzy compact open topology, *To Appear*.

- [22] **Deb Ray, A and Chettri, P.** : On pseudo δ -open fuzzy sets and pseudo fuzzy δ -continuous functions, *Communicated*.
- [23] **Deb Ray, A and Chettri, P.** : On starplus nearly compact pseudo regular open fuzzy topology, *Communicated*.
- [24] **Deb Ray, A and Chettri, P.** : Fuzzy pseudo nearly compact spaces and *ps-ro* continuous functions, *Communicated*.
- [25] **Deb Ray, A and Chettri, P.** : Further on fuzzy pseudo near compactness and *ps-ro* continuous functions, *Communicated*.
- [26] **Deb Ray, A., Chettri, P. and Sahu, M.** : More on Left fuzzy topological rings, *Communicated*
- [27] **Dongsheng, Z.** : The N -compactness in L -fuzzy topological spaces, *J. Math. Anal. Appl.*, 128(1987), 64-79.
- [28] **El-Monsef, M.E. Abd., El-Deeb, S.N., Zeyada, F.M. and Hanafy** : On fuzzy δ -continuity and fuzzy δ -closed graphs, *Periodica Mathematica Hungarica*, 68(1993), 43-53.
- [29] **Es, A. H.** : Almost compactness and near compactness in fuzzy topological spaces, *Fuzzy sets and systems*, 22(1987), 289-295.
- [30] **Fox. R.** : On topology for function spaces, *Amer. Math.Soc.*, 51 (1945), 429-432.

- [31] **Ganguly, S. , Dutta, K. :** A new topology on function spaces, *J. Pure Math.*, 17(2000), 109-118.
- [32] **Ganguly, S. , Saha, S. :** A note on δ continuity and δ connected sets on fuzzy set theory, *Simon stevin*, 62(1988), 127-141.
- [33] **Ganguly, S. , Saha, S. :** On separation axioms and T_i -fuzzy continuity, *Fuzzy sets and systems*, 16(1985), 265-275.
- [34] **Ganguly, S. , Saha, S. :** A note on compactness in a fuzzy setting, *Fuzzy sets and systems*, 34(1990), 117-124.
- [35] **Ganster, M., Georgiou, D. N and Jafari, S. :** On fuzzy topological groups and fuzzy continuous functions, *Hecettepe Journal of Mathematics and Statistics*, 34 S(2005), 35-43.
- [36] **Ganther, T. E., Steinlage, R. C. and Warren, R. H. :** Compactness in fuzzy topological spaces, *J. Math. Anal. Appl.*, 62(1978), 547-562.
- [37] **Ghosh, B. :** On θ -equivalent and δ -equivalent fuzzy topologies, *Bull. Malaysian Math. Soc.*, 13(1990), 69-78.
- [38] **Goguen, J. A. :** L-fuzzy sets, *J. Math. Anal. Appl.*, 18 (1967), 145-174.

- [39] **Goguen, J. A.** : The fuzzy Tychonoff theorem, *J. Math. Anal. Appl.*, 43 (1973), 734-742.
- [40] **Gottwald, S.** : Fuzzy points and local properties of fuzzy topological spaces, *Fuzzy sets and systems*, 5(1981), 199-201.
- [41] **Hayder, Es. A.** : Almost compactness and near compactness in fuzzy topological spaces, *Fuzzy sets and systems*, 22(1987), 289-295.
- [42] **Hutton, B.** : Normality in fuzzy topological spaces, *J. Math. Anal. Appl.*, 50(1975), 74-79.
- [43] **Hutton, B. and Reilly, I.** : Separation axioms in fuzzy topological spaces, *Fuzzy sets and systems*, 3(1980), 93-104.
- [44] **Jagar, G.** : Compactness in fuzzy Convergence spaces, *Fuzzy sets and systems*, 90(1997), 341-348.
- [45] **Jagar, G.** : On fuzzy function spaces, *Internat J. Math. Math Sc.*, 22(4)(1999), 727-737.
- [46] **Katsaras, A. K and Liu, D. B.** : Fuzzy vector spaces and fuzzy topological vector spaces, *J. Math. Anal. Appl.*, 58(1977), 135-146.

- [47] **Kandid, A. and El-Etriby, A.M.** : On separation axioms in fuzzy topological spaces, *Tamkang J. Math.*, 18(1987), 49-59.
- [48] **Kohli, J. K, Prasannan, A. R.** : Fuzzy topologies on function spaces, *Fuzzy sets and systems*, 116(2000), 415-420.
- [49] **Kohli, J. K, Prasannan, A. R.** : Starplus-Compactness and Starplus-Compact Open Fuzzy Topologies on Function Spaces, *J. Math. Anal. Appl.*, 254(2001), 87-100.
- [50] **Kotze, W.** : Quasi coincidence and quasi fuzzy Hausdorff spaces, *J. Math. Anal. Appl.*, 116(1986), 465-472.
- [51] **Liang, MA Ji and Hai, YU Chun.** : Fuzzy topological groups, *Fuzzy sets and systems*, 12(1984), 289-299.
- [52] **Lowen, R.** : Topologies floues, *C. R. Acad. SC. Paris*, 278 Skie A (1974), 925-928.
- [53] **Lowen, R.** : Fuzzy Topological Spaces and Fuzzy Compactness, *J. Math. Anal. Appl.*, 56(1976), 621-633.
- [54] **Lowen, R.** : Initial and final Fuzzy Topologies and the Fuzzy Tychonoff theorem, *J. Math. Anal. Appl.*, 58(1977), 11-21.

- [55] **Lowen, R.** : A Comparison of Different Compactness Notions in Fuzzy Topological Spaces, *J. Math. Anal. Appl.*, 64(1978), 446-454.
- [56] **Lowen, R.** : Convergence in Fuzzy Topological spaces, *Gen. Top. Appl.*, 10(1979), 147-160.
- [57] **Lowen, R.** : Compactness notions in fuzzy neighborhood spaces, *Manuscripta Math.*, 38(1982), 265-287.
- [58] **Lowen, R.** : Compactness properties in the fuzzy real line, *Fuzzy Sets and Systems*, 58(1984), 193-200.
- [59] **Lowen, R and Wuyts, P.** : Completeness, compactness and paracompactness in fuzzy uniform spaces, *J. Math. Anal. Appl.*, 92(1983), 342-371.
- [60] **Mashhour, A.S., Hasanein, L.A. and El-Deeb, S.N.** : A note on semicontinuity and precontinuity, *Indian J. Pure Appl. Math.*, 13(10)(1982), 1119-1123.
- [61] **Mashhour, A.S. and Ghanim, M.H.** : Fuzzy closure spaces, *J. Math. Anal. Appl.*, 106(1985), 154-170.
- [62] **Mukherjee, M. N and Ghosh, B.** : On fuzzy S-closed spaces and FSC sets, *Bull. Malaysian Math. Soc.*, 12(2)(1989), 1-14.

- [63] Mukherjee, M. N and Ghosh, B. : On nearly compact and θ -rigid fuzzy sets on fuzzy topological spaces, *Fuzzy Sets and Systems*, 43(1991), 57-68.
- [64] Mukherjee, M. N and Ghosh, B. : Some stronger forms of fuzzy continuous mappings on fuzzy topological spaces, *Fuzzy Sets and Systems*, 38(1990), 375-387.
- [65] Mukherjee, M. N and Ghosh, B. : Concerning nearly compact fuzzy topological spaces, *Bull. Cal. Math. Soc.*, 83(1991), 545-552.
- [66] Mukherjee, M. N and Malakar, S. : On unification of some fuzzy covering axioms, *Bull. Inst. Math. Academia Sinica*, 22(1994), 75-81.
- [67] Mukherjee, M.N. , Sinha, S.P. : On some near-fuzzy continuous functions between fuzzy topological spaces, *Fuzzy sets and system*, 34(1990), 245-254.
- [68] Mukherjee, M.N. , Sinha, S.P. : Almost compact fuzzy sets on fuzzy topological spaces, *Fuzzy sets and system*, 38(1990), 389-396.

- [69] Mukherjee, M.N. , Sinha, S.P. : Fuzzy θ -closure operator on fuzzy topological spaces, *Internat J. Math. and Math. Sci.*, 14(2)(1991), 309-314.
- [70] Njastad, O. : On some classes of nearly open sets, *Pacific J. Maths.*, 15(1965), 961-970.
- [71] Noiri, T. : On δ -continuous functions, *Journal of Korean Mathematical Society.* , 16(1980), 161-166.
- [72] Pao-Ming, Pu and Ying-Ming, Liu. : Fuzzy topology I. Neighbourhood structure of a fuzzy point and Moore-Smith convergence, *J. Math. Anal. Appl.*, 76(1980), 571-599.
- [73] Pao-Ming, Pu and Ying-Ming, Liu. : Fuzzy topology II. Product and quotient spaces, *J. Math. Anal. Appl.*, 77(1980), 20-37.
- [74] Palaniappan, N. : Fuzzy Topology (Second Edition), *Narosa Publishing House, India.*
- [75] Peng, Y. : Topological structure of a fuzzy function space-the point wise convergent topology and compact-open topology, *Kexue Tongbao(English Ed.)*, 29(3)(1984), 289-292.

- [76] **Raychaudhuri, S. and Mukherjee, M.N.** : On δ -almost continuity and δ -preopen sets, *Bull. Inst.Math.acad. Sinica*, 21(4)(1993), 357-366.
- [77] **Rodabaugh, S. E.** : The Hausdorff separation axiom for fuzzy topological spaces, *Topology and Application*, 11(1980), 319-334.
- [78] **Saha, S.** : Fuzzy δ -continuous mappings, *J. Math. Anal. Appl.*, 126(1987), 130-142.
- [79] **Saunders Mac Lane.** : Categories for the working Mathematicians(Second Edition), *Springer*.
- [80] **Shostak, A.P.** : Two decades of fuzzy topology : Basic ideas, notions and results, *Russian Math. Surveys*, 44(1989), 125-186.
- [81] **Singal, M.K. and Mathur, A.** : On nearly compact spaces, *Boll. Un. Mat. Ital.*, 4(6)(1969), 702-710.
- [82] **Sinha, S. P.** : Fuzzy normality and some of its weaker forms, *Bull. Korean Math. soc.*, 28(1)(1991), 205-209.
- [83] **Sinha, S. P.** : Separation axioms in fuzzy topological spaces *Fuzzy sets and system*, 45(1992), 261-270.
- [84] **Sinha, S. P.** : A note on fuzzy almost compactness, *Soochow Journal of Mathematics.*, 18(1992), 205-209.

- [85] Srivastava, R., Lal., S. N. and Srivastava, A. K. : Fuzzy T_1 -topological spaces, *J. Math. Anal. Appl.*, 102(2) (1984), 442-448.
- [86] Ursul, M. : Topological Rings satisfying compactness conditions, *Kluwer Academic publishers, Netherlands*.
- [87] Velicko, N. : H-closed topological spaces, *Amer. Soc. Transl.*, 78(2)(1968), 103-118.
- [88] Wang, G. : A new fuzzy compactness defined by fuzzy nets, *J. Math. Anal. Appl.*, 94(1) (1983), 1-23.
- [89] Warren, R. H. : Continuity of mappings of fuzzy topological spaces, *Notices of the American Mathematical Society*, 181(1973).
- [90] Weiss, M. D. : Fixed points, separation and quotient theorems, *J. Math. Anal. Appl.*, 50(1975), 142-150.
- [91] Wong, C. K. : Covering properties of fuzzy topological spaces, *J. Math. Anal. Appl.*, 43 (1973).
- [92] Wong, C. K. : Fuzzy topology: product and quotient theorems, *J. Math. Anal. Appl.*, 45 (1974), 512-521.

- [93] **Wong, C. K.** : Fuzzy points and local properties of fuzzy topology, *J. Math. Anal. Appl.*, 46 (1974), 316-328.
- [94] **Zadeh, L. A.** : Fuzzy Sets, *Information and Control*, 8(1965), 338-353.
- [95] **Zimmermann, H. J.** : Fuzzy Set Theory and its Applications (Second Edition), *Kluwer Academic Publishers, Netherlands*.