

- [1] I. Altun and G. Durmaz. *Weak partial metric spaces and some fixed point results.* *Applied General Topology*, 13(2):179–191, 2012.
- [2] I. A. Bakhtin. *The contraction mapping principle in quasimetric spaces.* *Funct. Anal. Unianowsk Gos. Ped. Inst.*, 30:26–37, 1989.
- [3] S. Banach. *Sur les Opérations dans les Ensembles abstraits et Leur Application aux Equations Intégrales.* *Fund. Math.*, 3:133–181, 1922.
- [4] M. A. Bukatin and J. S. Scott. *Towards computing distances between programs via Scott domains.* *Logical Foundations of Computer Science*, 1234:33–43, 1997.
- [5] L. B. Ćirić. *Generalized contractions and fixed point theorems.* *publ. Inst. Math.*, 12(26):19–26, 1971.
- [6] S. Cobzas. *Functional Analysis in Asymmetric Normed Spaces.* *Frontiers in Mathematics*, 2013.
- [7] S. Czerwinski. *Contraction mappings in b-metric spaces.* *Acta Math. Inform. Univ. Ostrav.*, 1(1):5–11, 1993.
- [8] S. Czerwinski. *Nonlinear set-valued contraction mappings in b-metric spaces.* *Atti Sem. Mat. Univ. Modena*, 46:263–276, 1998.
- [9] J. Dugundji. *Topology.* Allyn and Bacon, Boston, 1966.
- [10] N. V. Dung and V. T. L. Hang. *Remarks on Partial b-metric spaces and fixed point Theorems.* *Mat. vesnik*, 69(4):231–240, 2017.
- [11] M. H. Escardo. *PCF extended with real numbers.* *Theoretical Computer Science*, 162(1):79–115, 1996.
- [12] M. Fréchet. *Sur quelques points du calcul fonctionnel.* *Rendiconti Circolo Mat. Palermo*, 22:1–72, 1906.
- [13] A. H. Frink. *Distance functions and the metrization problem.* *Bull. AMS.*, 43(2):133–142, 1937.
- [14] X. Ge and S. Lin. *A Note on Partial b-Metric Spaces.* *Mediterr. J. Math.*, 13(3):1273–1276, 2016.
- [15] R. Heckmann. *Approximation of metric spaces by partial metric spaces.* *Appl. Categ. Structures*, 7:71–83, 1999.
- [16] R. Kannan. *Some results on Fixed points.* *Bull. Calcutta Math. Soc.*, 60:71–76, 1968.
- [17] J. C. Kelly. *Bitopological spaces.* *Proc. Lond. Math. Soc.*, 13(49):71–89, 1963.
- [18] H. Lakzian and B. Samet. *Fixed points for (Ψ, Φ) -weakly contractive mappings in generalized metric spaces.* *Applied Mathematics Letters*, 25:902–906, 2012.

Bibliography

- [19] S. G. Matthews. *Partial metric topology*, in *Proceeding of the 8th Summer conference on General Topology and its Applications*. *Annals of the New York Academy of Sciences*, 728:183–197, 1994.
- [20] E. Michael. *A note on paracompact spaces*. *Proc. Amer. Math. Soc.*, 4:831–838, 1953.
- [21] E. Michael. *Another note on paracompact spaces*. *Proc. Amer. Math. Soc.*, 5:822–828, 1957.
- [22] N. Milaki. *A contraction Principle in Partial S-metric Spaces*. *Universal Journal of Mathematics and Mathematical Sciences*, 5(2):109–119, 2014.
- [23] Z. Mustafa and B. Sims. *A new approach to generalized metric spaces*. *J. Nonlinear Convex Anal.*, 7(2):289–297, 2006.
- [24] S. O'Neill. *Partial metrices valuation and domain theory*. *Proc. 11th Summer Conference on General Topology and Applications*, *Ann. New York Acad. Sci.*, 806(1):304–315, 1996.
- [25] D. Ornstein. *A new proof of the paracompactness of metric spaces*. *Proc. Math. Soc.*, 21:341–342, 1969.
- [26] H. Pajooohesh. *k-metric spaces*. *Algebra Univers.*, 69:27–43, 2013.
- [27] M. Paluszynski and K. Stempak. *On quasi metric and metric spaces*. *Pro. of the A. M. S.*, 137(12):4307–4312, 2009.
- [28] O. Popescu. *Two fixed point theorems for generalized contractions with constants in complete metric space*. *Cent.Eur.J.Math.*, 7(3):529–538, 2009.
- [29] E. Rakotch. *A note on contractive mappings*. *Proc. Amer. Math. Soc.*, 13:459–465, 1962.
- [30] S. Romaguera. *A Kirk type characterization of completeness for partial metric spaces*. *Fixed Point Theory and Applications*, (ArticleID 493298, 6 pp), 2010.
- [31] M. E. Rudin. *A new proof that metric spaces are paracompact*. *Proc. Amer. Math. Soc.*, 20:603, 1969.
- [32] M. Schellekens. *A characterization of partial metrizability: domains are quantifiable*. *Theoret. Comput. Sci.*, 305:409–432, 2003.
- [33] M. Schellekens. *The correspondence between partial metrics and semivaluations*. *Theoret. Comput. Sci.*, 315:135–149, 2004.
- [34] W. Shatanawi and B. Samet. *On (ψ, ϕ) -weakly contractive condition in partially ordered metric spaces*. *Comput. Math. Appl.*, 62:3204–3214, 2011.
- [35] S. Shukla. *Partial b-Metric spaces and Fixed Point Theorems*. *Mediterr. journal of Mathematics*, 11:703–711, 2013.

Bibliography

- [36] M. Singha and K. Sarkar. *Towards Cantor intersection theorem and Baire category theorem in partial metric spaces.* *Mat. Vesnik*, 69(2):126–132, 2017.
- [37] A. Sonmez. *Fixed point theorems in partial cone metric spaces.* *arXiv:1101.2741v1*, 2011.
- [38] A. Sonmez. *On partial cone metric space.* *arXiv:1207.6766v1*, 2012.
- [39] N. Souayah. *A Fixed Point in Partial S_b - metric spaces.* *An. St. Univ. Ovidius Constanta*, 24(3):351–362, 2016.
- [40] T. Suzuki. *A generalized Banach contraction principle which characterizes metric completeness.* *Proc. Amer. Math. Soc.*, 136:1861–1869, 2008.
- [41] A. Aghajani, M. Abbas, J.R. Roshan. *Common fixed point of generalized weak contractive mappings in partially ordered G_b metric spaces.* *Filomat*, 28(6):1087–1101, 2014.
- [42] A. Gupta and P. Gautam. *Quasi-partial b-metric spaces and some related fixed point theorems.* *Fixed Point Theory and Applications*, 18:DOI10.1186/s13663-015-0260-2, 2015.
- [43] A. H. Ansari, D. D. Djekic , T. Dosenovic, S. Radenovic. *Coincidence point theorem for $(\alpha - \mu - \psi - H - \mathcal{F})$ -Two sided-contractive Mappings in Partially Ordered Metric Spaces using compatible mappings.* *Filomat*, 31(9):2657–2673, 2017.
- [44] B. K. Lahiri, P. Das and L. K. Dey. *Cantor’s theorem in 2-metric spaces and its applications to fixed point problems.* *Taiwan. J. Math.*, 15(1):337–352, 2011.
- [45] B. Samet, C. Vetro, P. Vetro. *Fixed Point Theorems for $\alpha - \psi$ Contractive Type Mappings.* *Nonlinear Anal. TMA.*, 75(4):2154–2165, 2012.
- [46] E. Karapinar; I. Erhan; A. Ozturk. *A. Fixed point theorems on quasi-partial metric spaces.* *Math. Comput. Model.*, 57:2442–2448, 2013.
- [47] H. Piri and P. Kumam. *Fixed point theorems for generalized F-suzuki-contraction mappings in complete b-metric spaceses.* *Fixed Point Theory and Applications*,, 2016:90, 2016.
- [48] I. Altun, A. Erduran. *Fixed point theorems for monotone mappings on partial metric spaces.* *Fixed Point Theory Appl.*, Article ID 508730, 2011.
- [49] M. Alghamdi, N. Hussain, P. Salimi. *Fixed point and coupled Fixed point Theorems on b-like metric spaces.* *Journal of Inequalities and Applications*, 2013:402, 2013.
- [50] M. Bota, A. Molnr, C. Varga. *On Ekelands variational principle in b-metric spaces.* *Fixed Point Theory*, 12(2):21–28, 2011.
- [51] M. Bukatain, R. Kopberman, S. Matthews and H. pajoohesh. *Partial metric space.* *Amer. math. Monthly*, 116(8):708–718, 2009.
- [52] N. Souayah and N. Mlaiki. *A fixed point theorem in S_b -metric spaces.* *J. Math. Computer Sci.*, 16:131–139, 2016.

- [53] N. Souayah, N. Mlaiki. *A coincident point principle for two weakly compatible mappings in partial-S metric spaces.* *J. Nonlinear Sci. Appl.*, 9:2217–2223, 2016.
- [54] NV. Dung, VL. Hang. *A fixed point theorem for generalized F-contractions on complete metric spaces.* *Vietnam J.Math.*, 43:743–753, 2015.
- [55] P. Fletcher, H. B. Hoyle and C. W. Patty. *The comparison of topologies.* *Duke Math. J.*, 36(2):325–331, 1969.
- [56] R. George, S. Redenovic, K. P. Reshma, S. Shukla. *Rectangular b-metric space and contraction principles.* *J. Nonlinear Sci. Appl.*, 8:1005–1013, 2015.
- [57] S. K. Chatterjea. *Fixed point theorems.* *Comptes Rendus de l'Academie Bulgare des Sciences*, 25:727–730, 1972.
- [58] S. Oltra and O. Valero. *Banach's Fixed Point Theorem for Partial Metric Spaces.* *Rend. Istit. Mat. Univ.*, 36:17–26, 2004.
- [59] S. O'Neill, Department of Computer Science. Two topologies are better than one. technical report 283. *University of Warwick*, 32, 1995.
- [60] S. Radenovic, Z. Kadelburg. *Generalized weak contractions in partially ordered metric spaces.* *Comput. Math. Appl.*, 60:1776–1783, 2010.
- [61] S. Romaguera, M. Schellekens. Weightable quasi-metric semigroups and semilattices. *Electronic Notes in Theoretical Computer Science*, 40:12 pages, 2001.
- [62] S. Sedghi, N. shobe, A. Aliouche. *A generalization of fixed point theorem in S-metric spaces.* *Mat. Vesnik*, 64:258–266, 2012.
- [63] S. Sedghi, N. Shobkolaei, J. R. Roshan, W. Shatanawi. *Coupled Fixed Point Theorems In G_b Metric Spaces.* *Mat. Vesnik*, 66(2):190–201, 2014.
- [64] T. G. Bhaskar, V. Lakshmikantham. *Fixed Point Theorem in Partially Ordered Metric Spaces and Applications.* *Nonlinear Anal.*, 65(7):1379–1393, 2006.
- [65] V. Lakshmikantham, Lj. B. Ciric. *Coupled fixed point theorems for nonlinear contractions in partially ordered metric spaces.* *Nonlinear Anal.*, 70(12):4341–4349, 2009.
- [66] Y. U. Gaba, C. A. Agyengi and D. J. Leko. *Chatterjea type fixed point in Partial b-metric spaces.* *arXiv:1902.03108 [math.GN]*, 17pp, 2019.
- [67] Z. Mustafa, J. R. Roshan., V. Parvaneh, Z. Kadelburg. *Some common fixed point results in ordered partial b-metric spaces.* *Journal of Inequalities and Applications*, page 2013:562, 2013.
- [68] O. Valero. *On Banach fixed point theorems for partial metric spaces.* *Appl. General Topology*, 6(2):229–240, 2005.
- [69] D. Wardowski. *Fixed point theory of a new type of contractive mappings in complete metric spaces.* *Fixed Point Theory and Applications*, 2012:94, 2012.

Bibliography

- [70] P. Waszkierwicz. *Quantitative continuous domains*. *Appl. Categor. Struct.*, 32:41–67, 2003.
- [71] P. Waszkierwicz. *The local triangle axiom in topology and domain theory*. *Appl. Gen. Topology*, 4(1):47–70, 2003.