BIBLIOGRAPHY

[1] A. Abkar and M. Eslamian, Common fixed point results in CAT(0) spaces, *Nonlinear Anal.* 74 (2011) 1835-1840.

[2] R. P. Agarwal, D. O'regan and D. R. Sahu, *Fixed Point Theory for Lipschitzian-type Mappings with Applications*, Springer, New York, (2009).

[3] S. Banach, Sur les opérations dans les ensembles abstraits et leurs application aux équations intégrales, *Fund. Math.* 3 (1922) 133-181.

[4] V. Berinde, *Iterative Approximation of Fixed Points*, Editura Efemeride, Baia Mare, (2002).

[5] M. Bridson and A. Haefliger, *Metric Spaces of Non-Positive Curvature*, Springer-Verlag, Berlin, Heidelberg, New York, (1999).

[6] L. E. J. Brouwer, Über Abbildungen von Manningfaltigkeiten, *Math. Ann.* 71 (1912) 97-115.

[7] F. E. Browder, Nonexpansive nonlinear operators in a Banach space, *Proc. Nat. Acad. Sci. USA.* 54 (1965) 1041-1044.

[8] R. E. Bruck, A common fixed point theorem for a commuting family of nonexpansive mappings, *Pacific J. Math.* 53 (1974) 59-71.

[9] R. E. Bruck, T. Kuczumow and S. Reich, Convergence of iterates of asymptotically nonexpansive mappings in Banach spaces with the uniform Opial property, *Collect. Math.* 65 (1993) 169-179.

[10] F. Bruhat and J. Tits, *Groupes réductifs sur un corps local. I. Données radicielles valuées*, Inst. Hautes Études Sci. Publ. Math. 41 (1972) 5-251.

[11] P. Chaoha and A. Phon-on, A note on fixed point sets in CAT(0) spaces, *J. Math. Anal. Appl.* 320 (2006) 983-987.

[12] S. Dhompongsa, W. Inthakon and W. Takahashi, A weak convergence theorem for common fixed points of some generalized nonexpansive mappings and nonspreading mappings in a Hilbert space, *Optimization.* 6 (2011) 769-779.

[13] S. Dhompongsa, A. Kaewkhao and B. Panyanak, Lim's theorems for multivalued mappings in CAT(0) spaces, *J. Math. Anal. Appl.* 312 (2005) 478-487.

[14] S. Dhompongsa and B. Panyanak, On Δ-convergence theorems in CAT(0) spaces, *Comput. Math. Appl.* 56 (2008) 2572-2579.

[15] R. Espínola and A. Fernández-León, CAT(κ)-spaces, weak convergence and fixed points, *J. Math. Anal. Appl.* 353 (2009) 410-427.

[16] R. Espínola, A. Fernández-León and B. Pitek, Fixed points of single- and set-valued mappings in uniformly convex metric spaces with no metric convexity, *Fixed Point Theory Appl.* Volume 2010, Article ID 169837, 16 pages.

[17] K. Goebel and W. A. Kirk, A fixed point theorem for asymptotically nonexpansive mappings, *Proc. Amer. Math. Soc.* 35 (1972) 171-174.

[18] D. Göhde, Zum Prinzip der kontraktiven Abbildung, *Math. Nachr.* 30 (1965) 251-258.

[19] J. S. He, D. H. Fang, G. López and C. Li, Mann's algorithm for nonexpansive mappings in CAT(κ) spaces, *Nonlinear Anal.* 75 (2012) 445-452.

[20] S. J. Hosseini Ghoncheh and A. Razani, Fixed point theorems for some generalized nonexpansive mappings in Ptolemy spaces, *Fixed Point Theory Appl.* 76 (2014).

[21] N. Hussain and M. A. Khamsi, On asymptotic pointwise contractions in metric spaces, *Nonlinear Anal.* 71 (2009) 4423-4429.

[22] T. Igarashi, W. Takahashi and K. Tanaka, Weak convergence theorems for non-spreading mappings and equilibrium problems, in S. Akashi, W. Takahashi, T. Tanaka (Eds), *Nonlinear Analysis and Optimization*, Yokohama (2009) 75-85.

[23] S. Ishikawa, Fixed points by a new iteration method, *Proc. Amer. Math. Soc.* 44 (1974) 147-150.

[24] M. A. Khamsi and W. A. Kirk, *An Introductory to Metric Spaces and Fixed Point Theory,* John Willey and Sons, New York, (2000).

[25] E. Kreyszig, *Introductory Functional Analysis with Applications*, John Willey and Sons, New York, (1978).

[26]   E. Karapinar, H. Salahifard and S. M. Vaezpour, Demiclosedness principle for total asymptotically nonexpansive mappings in CAT(0) spaces, *J. Appl. Math.* Volume 2014, Article ID 738150 (2014).

[27]   M. A. Khamsi and A. R. Khan, Inequalities in metric spaces with applications, *Nonlinear Anal.* 74 (2011) 4036-4045.

[28]   A. R. Khan, M. A. Khamsi and H. Fukhar-ud-din, Strong convergence of a general iteration scheme in CAT(0) spaces, *Nonlinear Anal.* 74 (2011) 783-791.

[29]   W. A. Kirk, A fixed point theorem for mappings which do not increase distance, *Am. Math. Mon.* 72 (1965) 1004-1006.

[30]   W. A. Kirk, *Geodesic geometry and fixed point theory*, In: Seminar of Mathematical Analysis (Malaga/Seville, 2002/2003). Colecc. Abierta, vol. 64, pp. 195-225. Univ. Sevilla Secr. Publ., Seville (2003).

[31]   W. A. Kirk, *Geodesic geometry and fixed point theory II*, In: International Conference on Fixed Point Theory and Applications, pp. 113-142. Yokohama Publ., Yokohama (2004).

[32]   W. A. Kirk and B. Panyanak, A concept of convergence in geodesic spaces, *Nonlinear Anal.* 68 (2008) 3689-3696.

[33]   W. A. Kirk and H. K. Xu, Asymptotic pointwise contractions, *Nonlinear Anal.* 69 (2008) 4706-4712.

[34]   P. Kocourek, W. Takahashi and J. C. Yao, Fixed point theorems and weak convergence theorems for generalized hybrid mappings in Hilbert spaces, *Taiwan. J. Math.* 14 (2010) 2497-2511.

[35]   W. M. Kozlowski, Fixed point iteration processes for asymptotic pointwise nonexpansive mappings in Banach spaces, *J. Math. Anal. Appl.* 377 (2011) 43-52.

[36]   W. Laowang and B. Panyanak, Approximating fixed points of nonexpansive nonself mappings in CAT(0) spaces, *Fixed Point Theory Appl.* (2010) 386-399.

[37]   L. Leustean, A quadratic rate of asymptotic regularity for CAT(0)-spaces, *J. Math. Anal. Appl.* 325 (2007) 386-399.

[38]   T. C. Lim, Remarks on some fixed point theorems, *Proc. Am. Math. Soc.* 60 (1976) 179-182.

54

[39] L. J. Lin, C. S. Chuang and Z. T. Yu, Fixed point theorems and Δ-convergence theorems for generalized hybrid mappings on CAT(0) spaces, *Fixed Point Theory Appl.* 49 (2011).

[40] W. R. Mann, Mean value methods in iteration, *Proc. Amer. Math. Soc.* 4 (1953) 506-510.

[41] B. Nanjaras and B. Panyanak, Demiclosed principle for asymptotically nonexpansive mappings in CAT(0) spaces, *Fixed Point Theory Appl.* Volume 2010, Article ID 268780, 14 pages.

[42] B. Nanjaras, B. Panyanak and W. Phuengrattana, Fixed point theorems and convergence theorems for Suzuki-generalized nonexpansive mappings in CAT(0) spaces, *Nonlinear Anal. Hybrid Syst.* 4 (2010) 25-31.

[43] Z. Opial, Weak convergence of the sequence of successive approximations for nonexpansive mappings, *Bull. Amer. Math. Soc.* 73 (1967) 591-597.

[44] S. Ohta, Convexities of metric spaces, *Geom. Dedic.* 125 (2007) 225-250.

[45] B. Piatek, Viscosity iteration in CAT(κ) spaces, *Numer. Funct. Anal. Optim.* 34 (2013) 1245-1264.

[46] S. Saejung, Halpern's iteration in CAT(0) spaces, *Fixed Point Theory Appl.* Volume 2010, Article ID 471781, 13 Pages.

[47] H. Salahifard, S. M. Vaezpour and S. Dhompongsa, Fixed point theorems for some generalized nonexpansive mappings in CAT(0) spaces, *J. Nonlinear Anal. Optim.* 4 (2013) 241-248.

[48] J. Schauder, Der Fixpunktsatz in Funktionalraumen, *Studia Math.* 2 (1930) 171-180.

[49] H. F. Senter and W. G. Dotson, Approximating fixed points of nonexpansive mappings, *Proc. Amer. Math. Soc.* 44 (1974) 375-380.

[50] N. Shahzad and J. Markin, Invariant approximations for commuting mappings in CAT(0) and hyperconvex spaces, *J. Math. Anal. Appl.* 337 (2008) 1457-1464.

[51] Z. H. Sun, Strong convergence of an implicit iteration process for a finite family of asymptotically quasi-nonexpansive mappings, *J. Math. Anal. Appl.* 286 (2003) 351-358.
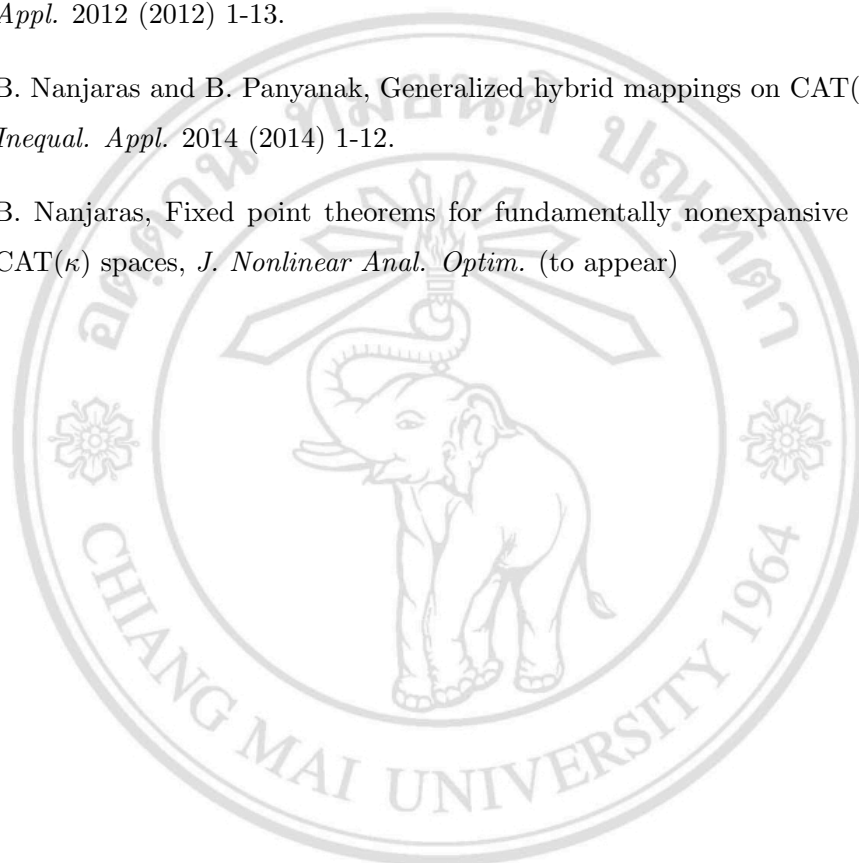
[52] T. Suzuki, Fixed point theorems and convergence theorems for some generalized nonexpansive mappings, *J. Math. Anal. Appl.* 340 (2008) 1088-1095.

[53] W. Takahashi, *Introduction to Nonlinear and Convex Analysis*, Yokohama Publishers, Yokohama (2009).

[54] I. Uddin, S. Dalal and M. Imdad, Approximating fixed points for generalized nonexpansive mapping in CAT(0) spaces, *J. Inequal. Appl.* 155 (2014).

[55] R. Wangkeeree and P. Preechasilp, Viscosity approximation methods for nonexpansive in CAT(0) spaces, *J. Inequal. Appl.* 93 (2013).
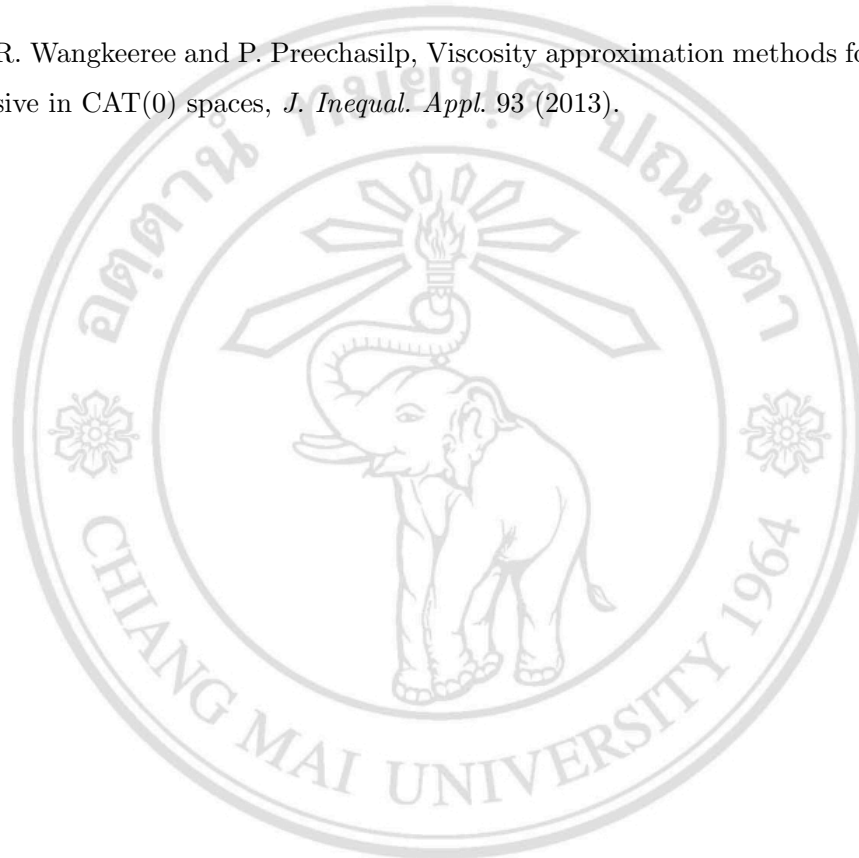
LIST OF PUBLICATIONS

1) B. Nanjaras and B. Panyanak, An approximation method for common fixed points of a finite family of asymptotic pointwise nonexpansive mappings, *Fixed Point Theory Appl.* 2012 (2012) 1-13.

2) B. Nanjaras and B. Panyanak, Generalized hybrid mappings on $CAT(\kappa)$ spaces, *J. Inequal. Appl.* 2014 (2014) 1-12.

3) B. Nanjaras, Fixed point theorems for fundamentally nonexpansive mappings in $CAT(\kappa)$ spaces, *J. Nonlinear Anal. Optim.* (to appear)