REFERENCES

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[1] Bianchi, M. and Pini, R. (2001). A note on equilibrium problems with properly quasimonotone bifunctions. **J. Glob. Optim.**, 20, 67-76.

[2] Bianchi, M. and Pini, R. (2005). Coercivity conditions for equilibrium problems. **J. Optim. Theory Appl.**, 124, 79-92.

[3] Bigi, G., Castellani, M. and Kassay, G. (2008). A dual view of equilibrium problems. **J. Math. Anal. Appl.**, 342, 17-26.

[4] Blum, E. and Oettli, W. (1994). From optimization and variational inequalities to equilibrium problems. **Math. Stud.**, 63, 123-145.

[5] Fan, K. (1972). A minimax inequality and applications. In Shisha, O. (Ed.) **Inequalities III** (103-113). New York: Academic Press.

[6] Ceng, L.-C. and Yao, J.-C. (2008). A hybrid iterative scheme for mixed equilibrium problems and fixed point problems. **J. Comp. Applied Math.**, 214, 186-201.

[7] Cholamjiak, P. and Suantai, S. (2011). Existence and iteration for a mixed equilibrium problem and a countable family of nonexpansive mappings in Banach spaces. **Comput. Math. Appl.**, 61, 2725-2733.

[8] Takahashi, S. and Takahashi, W. (2008). Strong convergence theorem for a generalized equilibrium problem and a nonexpansive mapping in a Hilbert space. **Nonlinear Anal.**, 69, 1025-1033.

[9] Kamraksa, U. and Wangkeeree, R. (2011). Existence theorems and iterative approximation methods for generalized mixed equilibrium problems for a countable family of nonexpansive mappings. **J Glob. Optim.**, 54(1), 27-46.

[10] Panagiotopoulos, P.D. (1983). Nonconvex energy functions, hemivariational inequalities and substationarity principles. **Acta Mechanica**, 42, 160-183.

[11] Panagiotopoulos, P.D. (1993). **Hemivariational inequalities, applications to mechanics and engineering.** Berlin: Springer-Verlag.

[12] Fichera, G. (1964). Problemi elettrostatici con vincoli unilaterali: il problema di Signorini con ambigue condizioni al contorno. **Mem. Acad. Naz. Lincei.**, 7, 91-140.

[13] Hartman, G.J. and Stampacchia, G. (1966). On some nonlinear elliptic differential equations. **Acta Math.**, 112, 271-310.

[14] Carl, S. (2001). Existence of extreamal solutions of boundary hemivariational inequalities. **J. Differ. Eq.**, 171, 370–396.

[15] Carl, S. and Lee, V.K., Motreanu, D. (2005). Existence and comparison principles for general quasilinear variational-hemivariational inequalities. **J.Math. Anal.**, 302, 65-83.

[16] Carl, S., Lee, V.K. and Motreanu, D. (2007). **Nonsmooth variational problems and their inequalities. Comparison principles and applications.** New York: Springer-Verlag.

[17] Xiao, Y.B. and Huang, N.J. (2009). Sub-super-solution method for a class of higher order evolution hemivariational inequalities. **Nonlinear Anal.**, 71, 558-570.

[18] Migorski, S. and Ochal, A. (2004). Boundary hemivariational inequality of parabolic type. **Nonlinear Anal.**, 57, 579-596.

[19] Park, J.Y. and Ha, T.G. (2008). Existence of antiperiodic solutions for hemivariational inequalities. **Nonlinear Anal.**, 68, 747-767.

[20] Park, J.Y. and Ha, T.G. (2009). Existence of anti-periodic solutions for quasi-linearparabolic hemivariational inequalities. **Nonlinear Anal.**, 71, 3203-3217.

[21] Goeleven, D., Motreanu, D. and Panagiotopoulos, P.D. (1998). Eigenvalue problems for variational-hemivariational inequalities at resonance, **Nonlinear Anal.**, 33, 161-180.

[22] Liu, Z.H. (2008). Existence results for quasilinear parabolic hemivariational inequalities. **J. Differ. Equ.**, 244, 1395-1409.

[23] Costea, N. (2011). Existence and uniqueness results for a class of quasi-hemivariational inequalities. **J. Math. Anal. Appl.**, 373(1), 305-315.

[24] Costea, N. and Lupu, C. (2010). On a class of variational-hemivariational inequalities involving set valued mappings. **Adv. Pure Appl. Math.**, 1, 233-246.

[25] Costea, N. and Radulescu, V. (2010). Hartman–Stampacchia results for stably pseudomonotone operators and nonlinear hemivariational inequalities. Appl. Anal., 89, 175-188.

[26] Giannessi, F. and Maugeri, A. (1995). **Variational inequalities and network equilibrium problems.** New York: Plenum Press.

[27] Huang, Y.S. and Zhou, Y.Y. (2009). Existence of solutions for a class of hemivariational inequality problems. **Comput. Math. Appl.**, 57, 1456-1462.

[28] Liu, Z.H. (2003). Elliptic variational hemivariational inequalities. **Appl. Math. Lett.**, 16, 871-876.

[29] Motreanu, D. and Panagiotopoulos, P.D. (1999). **Minimax theorems and qualitative properties of the solutions of hemivariational inequalities and applications: nonconvex optimization and its applications.** Dordrecht: Kluwer Academic Publishers.

[30] Motreanu, D. and Rădulescu, V. (2000). Existence results for inequality problems with lack of convexity. **Numer. Funct. Anal. Optim.**, 21, 869-884.

[31] Motreanu, D. and Rădulescu, V. (2003). **Variational and non-variational methods in nonlinear analysis and boundary value problems.** Dordrecht: Kluwer Academic Publishers.

[32] Naniewicz, Z. and Panagiotopoulos, P.D. (1995). **Mathematical theory of hemivariational inequalities and applications.** New York: Marcel Dekker.

[33] Panagiotopoulos, P.D. (1985). **Inequality problems in mechanics and applications. convex and nonconvex energy functionals.** Basel: Birkhäser.

[34] Panagiotopoulos, P.D. (1988). Hemivariational inequalities and their applications. In Moreau, J.J., Panagiotopoulos, P.D. and Strang, G. (Eds.), **Topics in Nonsmooth Mechanics**. Basel: Birkhäser.

[35] Panagiotopoulos, P.D. (1991). Coercive and semicoercive hemivariational inequalities. Nonlinear Anal., 16, 209-231.

[36] Peng, Z.J. and Liu, Z.H. (2011). Evolution hemivariational inequality problems with doubly nonlinear operators. J. Glob. Optim., 51, 413–427.

[37] Zhang, Y.L. and He, Y.R. (2011). On stably quasimonotone hemivariational inequalities. Nonlinear Anal., 74, 3324-3332.

[38] Tang, G.J. and Huang, N.J. (2013). Existence theorems of the variational-hemivariational inequlities. J. Glob. Optim., 56, 605-622.

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

[40] Halpern, B. (1967). Fixed points of nonexpanding maps. Bull. Amer. Math. Soc., 73, 957-961.

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

[42] Moudafi, A. (2000). Viscosity approximation methods for fixed-point problems. J. Math. Anal. Appl., 241, 46-55.

[43] Xu, H.K. (2004). Viscosity approximation methods for nonexpansive mappings. J. Math. Anal. Appl., 298, 279-291.

[44] Marino, G. and Xu, H.K. (2006). A general iterative method for nonexpansive mappings in Hilbert spaces. J. Math. Anal. Appl., 318, 43-52.

[45] Nakajo, K. and Takahashi, W. (2003). Strong convergence theorems for nonexpansive mappings and nonexpansive semigroups, J. Math. Anal. Appl., 279, 372-379.

[46] Kamimura, S. and Takahashi, W. (2002). Strong convergence of a proximal-type algorithm in a Banach space. **SIAM J. Optim.**, 13, 938-945.

[47] Martinez-Yanes, C. and Xu, H.K. (2006). Strong convergence of the CQ method for fixed point iteration processes. **Nonlinear Anal.**, 64, 2400-2411.

[48] Takahashi, W. and Zembayashi, K. (2009). Strong and weak convergence theorems for equilibrium problems and relatively nonexpansive mappings in Banach spaces. **J. Nonlinear Anal.**, 70, 45-57.

[49] Fan, K. (1961). A generalization of Tychonoff's fixed point theorem. **Math. Ann.**, 142, 305-310.

[50] Browder, F.E. (1968). The fixed-point theory of multi-valued mappings in topological vector spaces. **Math. Ann.**, 177, 283-301.

[51] Kirk, W.A. (2003). Geodesic geometry and fixed point theory. In **Seminar of Mathematical Analysis** (pp. 195-225). Seville: Universidad de Sevilla.

[52] Kirk, W.A. (2004). Geodesic geometry and fixed point theory II. In García, F.J., Llorens, F.E. and Sims, B. (Eds.), **Proceeding of the International Conference on Fixed Point Theory and Applications** (pp. 113-142). Yokohama: Yokohama Publishers.

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

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

[55] Shi L.Y. and Chen, R.D. (April 27, 2012). **Strong convergence of viscosity approximation methods for nonexpansive mappings in CAT(0) spaces.** Retrieved May 18, 2012, from http://dx.doi.org/10.1155/2012/421050

[56] Kreyszig, E. (1978). **Introductory functional analysis with applications.** Singapore: John Wiley & Sons.

[57] Agarwal, R.P., O'Regan, D. and Sahu, D.R. (2009). **Fixed point theory for Lipschitzian-type mappings with applications.** New York: Springer.

[58] Zeidler, E. (1986). **Nonlinear functional analysis and its applications vol I: Fixed-Point Theorems.** New York: Springer.

[59] Browder, F.E. (1967). Convergence theorems for sequences of nonlinear operators in Banach spaces. Math. **Zeitschrift**, 100, 201-225.

[60] Wangkeeree, R., Petrot N. and Wangkeeree, R. (2011). The general iterative methods for nonexpansive mappings in Banach spaces. **J. Glob. Optim.**, 51, 27-46.

[61] Cholamjiak, P. and Suantai, S. (2011). Viscosity approximation methods for a nonexpansive semigroup in Banach space with gauge functions. J. Glob. Optim., 54(1), 185-197.

[62] Takahashi, W. (2009). Introduction to nonlinear and convex analysis. Yokohama: Yokohama Publishers.

[63] Xu, H.K. (2002). Iterative algorithms for nonlinear operators. J. London Math. Soc., 66, 240-256.

[64] Kristály, A., Rădulescu, V. and Varga, Cs. (2010). **Variational principles in mathematical physics, geometry, and economics: qualitative analysis of nonlinear equations and unilateral problems.** In Encylopedia of Mathematics. Cambridge: Cambridge University Press.

[65] Fan, K. (1984). Some properties of convex sets related to fixed point theorems. **Math. Ann.**, 266, 519-537.

[66] Glicksberg, I. (1952). A further generalization of the Kakutani fixed point theorem with application to Nash equilibrium points. **Proc. Amer. Math. Soc.**, 3, 170-174.

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

[68] Kirk, W. A. (1965). A fixed point theorem for mappings which do not increase distances. **The American Mathematical Monthly**, 72, 1004-1006.

[69] Dehghan, H. (2011). Approximating fixed points of asymptotically nonexpamsive mappings in Banach spaces by metric projections. **Appl. Math. Lett.**, 24, 1584-1587.

[70] Cho, Y.J., Zhou, H. and Guo, G. (2004). Weak and strong convergence theorems for three-step iterations with errors for asymptotically nonexpansive mapping, **Comput. Math. Appl.**, 47, 707-717.

[71] Belluce, L.P. and Kirk W.A. (1967). Nonexpansive mappings and fixed-points in Banach spaces. **Illinois J. Math.**, 11, 474-479.

[72] Aleyner, A. and Censor, Y. (2005). Best approximation to common fixed points of a semigroup of nonexpansive operators, **J. Nonlinear Conv. Anal.**, 6, 137-151.

[73] Chen, R. and Song, Y. (2007). Convergence to common fixed point of nonexpansive semigroups. **J. Comput. Appl. Math.**, 200, 566-575.

[74] Fang, Y.P. and Huang, N.J. (2003). Variational-like inequalities with generalized monotone mappings in Banach spaces. **J. Optim. Theory Appl.**, 118(2), 327-338.

[75] He, Y.R. (2004). A relationship between pseudomonotone and monotone mappings. **Appl. Math. Lett.**, 17, 459-461.

[76] Hadjisavvas, N. and Schaible, S. (1996). Quasimonotone variational inequalities in Banach spaces. **J. Optim. Theory Appl.**, 90, 95-111.

[77] Clarke, F.H. (1983). **Optimization and nonsmooth analysis.** New York: John Wiley & Sons.

[78] Bridson, M. and Haefliger, A. (1999). **Metric spaces of nonpositive curvature.** New York: Springer-Verlag.

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

[80] Brown, K.S. (1989). **Buildings**. New York: Springer-Verlag.

[81] Goebel, K. and Reich, S. (1984). **Uniform convexity, hyperbolic geometry, and nonexpansive mappings In: series of monographs and textbooks in pure and applied mathematics.** New York: Marcel Dekker.

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

[83] Dhompongsa, S., Kirk, W.A. and Sims, B. (2006). Fixed points of uniformly Lipschitzian mappings. **Nonlinear Anal.**, 65, 762-772.

[84] Dhompongsa, S., Kirk, W.A. and Panyanak, B. (2007). Nonexpansive set-valued mappings in metric and Banach spaces. **J. Nonlinear and Convex Anal.**, 8, 35-45.

[85] Berg, I.D. and Nikolaev, I.G. (2008). Quasilinearization and curvature of Alexandrov spaces. **Geom. Dedicata.**, 133, 195-218.

[86] Kakavandi, B.A. and Amini, M. (2010). Duality and subdifferential for convex functions on complete CAT(0) metric spaces. **Nonlinear Anal.**, 73, 3450-3455.

[87] Kakavandi, B.A. (2013). Weak topologies in complete CAT(0) metric spaces. **Proc. Amer. Math. Soc.**, 141, 1029-1039.

[88] Dehghan, H. and Rooin, J. (May 10-12, 2012). A characterization of metric projection in CAT(0) spaces. In **Interational Conference on Functional Equation, Geometric Functions and Applications (ICFGA 2012)** (pp. 41-43). Tabriz: Payame Noor University.

[89] Panagiotopoulos, P.D., Fundo, M. and Radulescu, V. (1999). Existence theorems of Hartman-Stampacchia type for hemivariational inequalities and applications. **J. Glob. Optim.**, 15, 41-54.

[90] Li, S., Li L. and Su, Y. (2009). General iterative methods for a one-parameter nonexpansive semigroup in Hilbert space. **Nonlinear Anal.**, 70, 3065-3071.

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

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

[93] Kirk, W.A. (2007). Some recent results in metric fixed point theory. J. Fixed Point Theory Appl., 2, 195-207.

[94] Papadopoulos, A. (2005). **Metric spaces, convexity and nonpositive curvature.** Zürich: European Mathematical Society (EMS).

[95] Saejung, S. (December 7, 2009). **Halpern's iteration in CAT(0) spaces.** Retrieved January 18, 2012, from http://dx.doi.org/10.1155/2010/471781.