

Bibliography

- [1] M. Abbas, S.H. Khan, A.R. Khan and R.P. Agarwal, Common fixed points of two multivalued nonexpansive mappings by one-step iterative scheme, *Applied Mathematics Letters*. 24(2011) 97-102.
- [2] A. Abkar and M. Eslamian, Fixed point theorems for Suzuki generalized nonexpansive multivalued mappings in Banach spaces, *Fixed Point Theory Appl.* 2010(2010) Article ID 457935, 10pp.
- [3] R.P. Agarwal, D. O'Regan and D.R. Sahu, *Fixed Point Theory for Lipschitzian-type Mappings with Applications*, Springer, (2009).
- [4] K. Aoyama, Y. Kimura, W. Takahashi and M. Toyoda, Approximation of common fixed points of a countable family of nonexpansive mappings in a Banach space, *Nonlinear Anal.* 67(2007) 2350-2360.
- [5] N.A. Assad and W.A. Kirk, Fixed point theorems for set-valued mappings of contractive type, *Pacific J. Math.* 43 (1972) 553-562.
- [6] S. Atsushiba and W. Takahashi, Strong convergence theorems for a finite family of nonexpansive mappings and applications, in: B.N. Prasad Birth Centenary Commemoration Volume, *India J. Math.* 41(1999) 435-453.
- [7] E. Blum and W. Oettli, From optimization and variational inequalities to equilibrium problems, *The Mathematics Student*, vol. 63, no. 14, pp. 123-145, 1994.
- [8] S.S. Chang, C.K. Chan, H.W.J. Lee, and L. Yang, A system of mixed equilibrium problems, fixed point problems of strictly pseudo-contractive mappings and nonexpansive semi-groups, *Applied Mathematics and Computation*, vol. 216, no. 1, pp. 51-60, 2010.
- [9] S. Chang, J. K. Kim and X. R. Wang, Modified Block iterative algorithm for solving convex feasibility problems in Banach spaces, *J. Ineq. Appl.* (2010), Article ID 869684, 14 pages, doi:10.1155/2010/869684.
- [10] J. Chen, L. Zhang and T. Fan, Viscosity approximation methods for nonexpansive mappings and monotone mappings. *J. Math. Appl.* 334(2) 1450-1461 (2007).
- [11] P. Cholamjiak, W. Cholamjiak, Y.J. Cho and S. Suantai, Weak and strong convergence to common fixed points of a countable family of multi-valued mappings in Banach spaces, *Thai Journal of Mathematics* 9 (2011) 505-520.

- [12] W. Choleamjiak and S. Suantai, A common fixed point of Ishikawa iteration with errors for two quasi-nonexpansive multi-valued maps in Banach spaces, *Bulletin of Mathematical Analysis and Applications* 3 (2011) 110-117.
- [13] W. Choleamjiak and S. Suantai, A hybrid method for a countable family of multivalued maps, equilibrium problems, and variational inequality problems, *Discrete Dynamics in Nature and Society*, vol.2010, ArticleID 349158, 14 pages, doi:10.1155/2010/349158.
- [14] W. Choleamjiak and S. Suantai, Approximation of common fixed points of two quasi-nonexpansive multi-valued maps in Banach spaces, *Computers and Mathematics with Applications*. 61(2011) 941-949.
- [15] P.L. Combettes and S.A. Hirstoaga, Equilibrium programming in Hilbert spaces, *Journal of Nonlinear and Convex Analysis*, vol.6, no.1, pp.117-136, 2005.
- [16] M. Eslamian and A. Abkar, One-step iterative process for a finite family of multi-valued mappings, *Math. Comp. Model.* 54(2011) 105-111.
- [17] F. Flores-Bazán, Existence theorems for generalized noncoercive equilibrium problems: the quasi-convex case, *SIAM Journal on Optimization*, vol.11, no.3, pp.675-690, 2000.
- [18] B. Halpern, Fixed points of nonexpanding maps, *Bull. Amer. Math. Soc.* 73(1967) 957-961.
- [19] T. Hu, J.C. Huang and B.E. Rhoades, A general principle for Ishikawa iterations for multivalued mappings, *Indian J. Pure Appl. Math.* 28(1997) 1091-1098.
- [20] N. Hussain and A.R. Khan, Applications of the best approximation operator to $*$ -nonexpansive maps in Hilbert spaces, *Numer. Funct. Anal. Optim.*, 24(2003) 327-338.
- [21] S. Ishikawa, Fixed points by a new iteration method, *Proc. Amer. Math. Soc.* 44(1974) 147-150.
- [22] C. Jaiboon and P. Kumam, A hybrid extragradient viscosity approximation method for solving equilibrium problems and fixed point problems of infinitely many nonexpansive mappings, *Fixed Point Theory and Applications*, vol. 2009, Article ID 374815, 32 pages, 2009.
- [23] A. Kaewcharoen and B. Panyanak, Fixed point theorems for some generalized multivalued nonexpansive mappings, *Nonlinear Analysis* 74(2011) 5578-5584.
- [24] A. Kangtunyakarn, Iterative algorithms for finding a common solution of system of the set of variational inclusion problems and the set of fixed point problems, *Fixed Point Theory and Applications* 2011, 2011:38.

- [25] A. Kangtunyakarn and S. Suantai, A new mapping for finding common solutions of equilibrium problems and fixed point problems of finite family of nonexpansive mappings, *Nonlinear Anal. TMA.* 71(2009) 4448-4460.
- [26] S.H. Khan, M. Abbas and B.E. Rhoades, A new one-step iterative scheme for approximating common fixed points of two multivalued nonexpansive mappings, *Rend. Circ. Mat.* 59 (2010) 149-157.
- [27] S.H. Khan and I. Yildirim, Fixed points of multivalued nonexpansive mappings in Banach spaces, *Fixed Point Theory and Applications* 2012, 2012:73, doi: 10.1186/1682-1812-2012-73.
- [28] T.H. Kim and H.K. Xu, Strongly convergence of modified Mann iterations for with asymptotically nonexpansive mappings and semigroups, *Nonlinear Analysis* 64 (2006) 1140-1152.
- [29] C. Klin-eam and S. Suantai, A new approximation method for solving variational inequalities and fixed points of nonexpansive mappings. *J. Inequal. Appl.* Article ID 520301, 16 pp (2009). doi: 10.1155/2009/520301.
- [30] E. Kreyszig, *Introductory Functional Analysis with Applications*, John Wiley & Sons, United States of America, (1978).
- [31] P. Kumam and C. Jaiboon, A new hybrid iterative method for mixed equilibrium problems and variational inequality problem for relaxed cocoercive mappings with application to optimization problems, *Nonlinear Analysis. Hybrid Systems*, vol. 3, no. 4, pp. 510-530, 2009.
- [32] Q.Y. Liu, W.Y. Zeng, and N.J. Huang, An iterative method for generalized equilibrium problems, fixed point problems and variational inequality problems, *Fixed Point Theory and Applications*, vol. 2009, Article ID 531308, 20 pages, 2009.
- [33] W.R. Mann, Mean value methods in iteration, *Proc. Amer. Math. Soc.* 4(1953) 506-510.
- [34] G. Marino and H.K. Xu, A general iterative method for nonexpansive mappings in Hilbert spaces. *J. Math. Anal. Appl.* 318(2006) 43-52.
- [35] G. Marino and H.K. Xu, Weak and strong convergence theorems for strict pseudo-contractions in Hilbert Spaces, *J. Math. Anal. Appl.* 329 (2007) 336-346.
- [36] J.T. Markin, Continuous dependence of fixed point sets, *Proc. Amer. Math. Soc.* 38 (1973) 545-547.
- [37] A. Moudafi, Viscosity approximation methods for fixed points problems. *J. Math. Anal. Appl.* 241(2000) 46-55.

- [38] A. Moudafi and M. Thera, Proximal and dynamical approaches to equilibrium problems, in *Ill-Posed Variational Problems and Regularization Techniques* (Trier, 1998), vol. 477 of *Lecture Notes in Economics and Mathematical Systems*, pp. 187-201, Springer, Berlin, Germany, 1999.
- [39] S.B. Nadler, Jr., Multi-valued contraction mappings, *Pacific J. Mathematics*. 30(1969) 475-488.
- [40] K. Nakajo and W. Takahashi, Strongly convergence theorems for nonexpansive mappings and nonexpansive semigroups, *J. Math. Anal. Appl.* 279(2003) 372-379.
- [41] M.A. Noor and W. Oettli, On general nonlinear complementarity problems and quasi-equilibria, *Le Matematiche*, vol. 49, no. 2, pp. 313-331, 1994.
- [42] B. Panyanak, Mann and Ishikawa iterative processes for multivalued mappings in Banach spaces, *Comp. Math. Appl.* 54(2007) 872-877.
- [43] J.W. Peng, Y.C. Liou and J.C. Yao, An iterative algorithm combining viscosity method with parallel method for a generalized equilibrium problem and strict pseudocontractions, *Fixed Point Theory and Applications* 2009, Article ID 794178, 21 pages, doi:10.1155/2009/794178.
- [44] J.W. Peng and J.C. Yao, A viscosity approximation scheme for system of equilibrium problems, nonexpansive mappings and monotone mappings, *Nonlinear Analysis*, vol. 71, no. 12, pp. 6001-6010, 2009.
- [45] J.W. Peng and J.C. Yao, Two extragradient methods for generalized mixed equilibrium problems, nonexpansive mappings and monotone mappings, *Computers & Mathematics with Applications*, vol. 58, no. 7, pp. 1287-1301, 2009.
- [46] B. Rodjanadid, Iterative Algorithms for Finding Common Solutions of Generalized Mixed Equilibrium Problems and Common Fixed Point Problems for a Countable Family of Nonexpansive Mappings in Hilbert Spaces, *Int. Journal of Math. Analysis*, vol.5, no.39, pp.1943-1960, 2011.
- [47] K.P.R. Sastry and G.V.R. Babu, Convergence of Ishikawa iterates for a multivalued mapping with a fixed point, *Czechoslovak Math. J.* 55(2005) 817-826.
- [48] J. Schu, Weak and strong convergence to fixed points of asymptotically nonexpansive mappings, *Bull. Austral. Math. Soc.* 43(1991) 153-159.
- [49] N. Shahzad and H. Zegeye, On Mann and Ishikawa iteration schemes for multivalued maps in Banach spaces, *Nonlinear Anal.* 71(2009) 838-844.
- [50] K. Shimoji and W. Takahashi, Strong convergence to common fixed points of infinite nonexpansive mappings and applications, *Taiwanese J. Math.* 5(2001) 387-404.
- [51] Y.S. Song and Y.J. Cho, Some notes on Ishikawa iteration for multi-valued mappings, *Bull. Korean Math. Soc.* 48 (2011), No. 3, pp. 575-584 DOI 10.4134/BKMS.2011.48.3.575.

- [52] Y. Song and H. Wang, Erratum to "Mann and Ishikawa iterative processes for multivalued mappings in Banach spaces", *Comp. Math. Appl.* 55(2008) 2999-3002.
- [53] G. Stampacchia, Formes bilineaires coercivites sur les ensembles convexes, *Comptes Rendus de l'Academie des Science. Paris* 258 (1964) 4413-4416.
- [54] S. Suantai, Weak and strong convergence criteria of Noor iterations for asymptotically nonexpansive mappings, *J. Math. Anal. Appl.* 311(2005) 506-517.
- [55] T. Suzuki, Fixed point theorems and convergence theorems for some generalized nonexpansive mappings, *J. Math. Anal. Appl.* 340(2008) 1088-1095.
- [56] W. Takahashi, *Introduction to Nonlinear and Convex Analysis*, Yokohama Publishers, Japan, (2009).
- [57] W. Takahashi and K. Shimoji, Convergence theorems for nonexpansive mappings and feasibility problems, *Math. Comput. Modelling* 32(2000) 1463-1471.
- [58] W. Takahashi, Y. Takeuchi and R. Kubota, Strong convergence theorems by hybrid methods for families of nonexpansive mappings in Hilbert spaces, *J. Math. Anal. Appl.* 341 (2008) 276-286.
- [59] R. Wangkeeree and R. Wangkeeree, Strong convergence of the iterative scheme based on the extragradient method for mixed equilibrium problems and fixed point problems of an infinite family of nonexpansive mappings, *Nonlinear Analysis: Hybrid Systems* 3 (2009) 719-733.
- [60] H.K. Xu, An iterative approach to quadratic optimization. *J. Optim. Theory Appl.* 116(2003) 659-678.
- [61] H.K. Xu, Iterative algorithms for nonlinear operators, *Journal of the London Mathematical Society*, vol.2,(2002) 240-256.
- [62] H.K. Xu, On weakly nonexpansive and $*$ -nonexpansive multivalued mappings, *Math. Japan.* 36(1991) 441-445.
- [63] H.K. Xu, Viscosity approximation methods for nonexpansive mappings. *J. Math. Anal. Appl.* 298(2004) 279-291.
- [64] Q.B. Zhang and C.Z. Cheng, Strong convergence theorem for a family of lipschitz pseudocontractive mappings in a Hilbert space, *Math. Comput. Modelling* 48 (2008) 480-485.
- [65] H.Y. Zhou, Convergence theorems of fixed points for lipschitz pseudo-contractions in Hilbert spaces, *J. Math. Anal. Appl.* 343 (2008) 546-556.