

REFERENCES

REFERENCES

- [1] Mann, W. R. (1953). Mean value methods in iteration. **Proc. Amer. Math. Soc.**, 4, 506-510.
- [2] Halpern, B. (1967). Fixed points of non-expanding maps. **Bull. Amer. Math. Soc.**, 73, 957-961.
- [3] Ishikawa, S. (1974). Fixed points by a new iteration method. **Proc. Amer. Math. Soc.**, 44, 147-150.
- [4] Byrne, C. (2004). A unified treatment of some iterative algorithms in signal processing and image reconstruction. **Inverse Problems**, 20, 103-120.
- [5] Podilchuk, C. I. and Mammone, R. J. (1990). Image recovery by convex projections using a least-squares constraint. **J. Opt. Soc. Am. A**, 7, 517-521.
- [6] Stampacchia, G. (1964). Formes bilinéaires coercitives sur les ensembles convexes. **C. R. Acad. Sci. Paris**, 258, 4413-4416.
- [7] Takahashi, W. and Toyoda, M. (2003). Weak convergence theorems for nonexpansive mappings and monotone mappings, **Journal of Optimization Theory and Applications**, 118(2), 417-428.
- [8] Blum, E. and Oettli, W. (1994). From optimization and variational inequalities to equilibrium problems. **Math. Stud.**, 63, 123-145.
- [9] Noor, M.A. and Oettli, W. (1994). On general nonlinear complementarity problems and quasi-equilibria. **Le Matematiche (Catania)**, 49, 313-331.

- [10] Siddiqi, A. H., Ahmad, K. and Manchanda, P. (2006). **Introduction to functional analysis with applications.** New Delhi: Anamaya Publishers.
- [11] Takahashi, W. (2000). **Nonlinear Functional Analysis, Fixed point Theory and Its Applications.** Yokohama: Yokohama-Publishers.
- [12] Goebel, K. and Kirk, W.A. (1972). A fixed point theorem for asymptotically nonexpansive mappings. **Proc. Amer. Math. Soc.**, 35, 171-174.
- [13] Zeidler, E. (1986). **Nonlinear functional analysis and its applications- vol I: Fixed-Point Theorems.** Tokyo: New York Berlin Heidelberg Tokyo.
- [14] Takahashi, Y., Hashimoto, K. and Kato, M. (2002). On sharp uniform convexity, smoothness, and strong type, cotype inequalities. **J. Nonlinear Convex Anal.**, 3, 267-281.
- [15] Alber, Ya.I. and S. Reich, (1994). An iterative method for solving a class of nonlinear operator equations in Banach spaces. **Panamer. Math. J.**, 4, 39-54.
- [16] Alber, Ya. I. (1996). Metric and generalized projection operators in Banach spaces: properties and applications. In A.G. Kartsatos (Ed.), **Theory and Applications of Nonlinear Operator of Accretive and Monotone Type** (pp.15–50). New York: Marcel Dekker.
- [17] Li, J.L. (2005). The generalized projection operator on reflexive Banach spaces and its application. **J. Math. Anal. Appl.**, 306, 55-71.

- [18] Reich, S. (1996). A weak convergence theorem for the alternating method with Bregman distance. In A.G. Kartsatos (Ed.), **Theory and Applications of Nonlinear Operators of Accretive and Monotone Type** (pp.313–318). New York: Marcel Dekker.
- [19] Opial, Z. (1967). Weak convergence of the sequence of successive approximations for nonexpansive mappings. **Bull. Amer. Math. Soc.**, 73, 591-597.
- [20] Lim, T.C. and Xu, H.K. (1994). Fixed point theorems for asymptotically nonexpansive mappings. **Nonlinear Analysis**, 22, 1345-1355.
- [21] Agarwal, R. P., O'Regan, D. and Sahu, D.R. (2000). **Fixed point theory for lipschitzian-type mappings with applications**. New York: Springer Dordrecht Heidelberg London New York.
- [22] Bruck, R.E. (1981). On the convex approximation property and the asymptotic behaviour of nonlinear contractions in Banach spaces. **Israel J. Math.**, 38, 304-314.
- [23] Nakajo, K., Shimoji, K. and Takahashi, W. (2006). Strong convergence theorems by the hybrid method for families of nonexpansive mappings in Hilbert spaces. **Taiwanese J. Math.**, 10, 339-360.
- [24] Kimura, Y. and Nakajo, K. (2010). Some characterizations for a family of nonexpansive mappings and convergence of a generated sequence to their common fixed point. **Fixed Point Theory Appl.** Retrieved June 28, 2011, from <http://downloads.fixedpointtheoryandapplications.com/content/pdf/1687-1812-2011-11.pdf>.

- [25] Zhou, H. (2008). Convergence theorems for λ -strict pseudo-contractions in 2-uniformly smooth Banach spaces. **Nonlinear Anal.**, 69, 3160-3173.
- [26] Xu, H.K. (1991). Inequalities in Banach spaces with applications. **Nonlinear Anal.**, 16, 1127-1138.
- [27] Cai, G. and Hu, C. S. (2010). Strong convergence theorems of a general iterative process for a finite family of λ_i -strict pseudo-contractions in q -uniformly smooth Banach spaces. **Computers and Mathematics with Applications**, 59, 149-160.
- [28] Hu, L. G. and Wang, J. P. (2009). Mann iteration of weak convergence theorems in Banach spaces. **Acta Math. Appl.**, 25, 217-224.
- [29] Xu, H. K. (1991) Inequalities in Banach spaces with applications. **Nonlinear Anal.**, 16, 1127-1138.
- [30] Chen, R. D. and He, H. M. (2007). Viscosity approximation of common fixed points of nonexpansive semigroups in Banach space. **Appl. Math. Letters**, 20, 751-757.
- [31] Xu, H. K. (2004). Viscosity approximation methods for nonexpansive mappings. **J. Math. Anal. Appl.**, 298, 279-291.
- [32] Suzuki, T. (2005). Strong convergence theorems for infinite families of nonexpansive mappings in general Banach spaces. **Fixed point Theory Appl.**, 1, 103-123.
- [33] Aoyama, K., Kimura, Y., Takahashi, W. and Toyoda, M. (2007). Approximation of common fixed points of a countable family of nonexpansive mappings in a Banach space. **Nonlinear Anal.**, 67, 2350-2360.
- [34] Bruck, R.E. (1973). Properties of fixed point sets of nonexpansive mappings in Banach spaces. **Tras. Amer. Math. Soc.**, 179, 251-262.

- [35] Jung, J.S. (2005). Iterative approaches to common fixed points of nonexpansive mappings in Banach spaces. **J. Math. Anal. Appl.**, 302, 509-520.
- [36] Aoyama, K., Kimura, Y., Takahashi W. and Toyoda, M. (2007). On a strongly nonexpansive sequence in Hilbert spaces. **J. Nonlinear Convex Anal.**, 8, 471-489.
- [37] Liu, Y. (2010). Strong convergence theorems for variational inequalities and relatively weak nonexpansive mappings. **J Glob Optim.** Retrieved May 9, 2009, from <http://www.springerlink.com/content/m9vgl85h45816321.pdf>.
- [38] Beauzamy, B. (1985). **Introduction to Banach spaces and their Geometry** ($2^{ed}ed.$). Amsterdam: North-Holland.
- [39] Bruck, R. E. and Reich, S. (1977). Nonexpansive projections and resolvents of accretive operators. **Houston J. Math.**, 3, 459-470.
- [40] Kamimura, S. and Takahashi, W. (2002). Strong convergence of a proximal-type algorithm in a Banach space. **SIAM J. Optim.**, 13, 938-945.
- [41] Cho, Y.J., Zhou, H.Y. and Guo, G. (2004). Weak and strong convergence theorems for three-step iterations with errors for asymptotically nonexpansive mappings. **Comput. Math. Appl.**, 47, 707-717.
- [42] Rockafellar, R. T. (1970). On the maximality of sums of nonlinear monotone operators. **Trans. Amer. Math. Soc.**, 149, 75-88.
- [43] Chang, S.-s. (1997). On Chidumes open questions and approximate solutions of multivalued strongly accretive mapping in Banach spaces. **J. Math. Anal. Appl.**, 216, 94111.
- [44] Takahashi, W., Tamura, T. and Toyoda, M. (2002). Approximation of common fixed points of a family of finite nonexpansive mappings in Banach spaces. **Sci. Math. Japan**, 56, 475-480.

- [45] Browder, F.E. (1967). Convergence of approximants to fixed points of nonexpansive nonlinear mappings in Banach spaces. **Arch. Ration. Mech. Anal.**, 24, 82-89.
- [46] Fan, K. (1961). A generalization of Tychonoffs fixed point theorem. **Mathematische Annalen**, 142, 305-310.
- [47] Kreyszig, E. (1978). **Introductory functional analysis with applications**, Singapore: John Wiley & Sons.
- [48] Piri, H. and Vaezi, H. (2010). Strong Convergence of a Generalized Iterative Method for Semigroups of Nonexpansive Mappings in Hilbert Spaces. **Fixed Point Theory and Applications**. Retrieved March 3, 2011, from <http://downloads.hindawi.com/journals/fpta/2011/257034.pdf>.
- [49] Nadezhkina, N. and Takahashi, W. (2006). Weak convergence theorem by an extragradient method for nonexpansive mappings and monotone mappings. **J. Optim. Theory Appl.**, 128, 191-201.
- [50] Xu, H.K. (1991). Existence and convergence for fixed points of mappings of asymptotically nonexpansive type. **Nonlinear Anal.**, 16, 1139-1146.
- [51] Xu, H.K. (2002). Iterative algorithms for nonlinear operators. **J. London Math. Soc.**, 66, 240-256.
- [52] Shimizu, T. and Takahashi, W. (1997). Strong convergence to common fixed points of families of nonexpansive mappings. **J. Math. Anal. Appl.**, 211, 71-83.
- [53] Marino, G. and Xu, H.K. (2006). A general iterative method for nonexpansive mappings in Hilbert spaces. **J. Math. Anal. Appl.**, 318, 43-52.

- [54] Combettes, P.L. and Hirstoaga, A. (2005). Equilibrium programming in Hilbert spaces. **J. Nonlinear Convex Anal.**, 6, 117-136.
- [55] Moudafi, A. (2009). Weak convergence theorems for nonexpansive mappings and equilibrium problems. **J. Nonlinear Convex Anal.**, 9, 37-43.
- [56] Li, S., Li, L. and Su, Y. (2009). General iterative methods for a one-parameter nonexpansive semigeroup in Hilbert space. **J. Nonlinear Analysis.**, 70, 3065-3071.
- [57] Cianciaruso, F., Marino G. and Muglia, L. (2010). Iterative methods for equilibrium and fixed point problems for nonexpansive semigroups in Hilbert Spaces. **J Optim Theory Appl**, 146, 491-509.
- [58] Yao, Y. and Liou, Y.-C. (2010). Composite Algorithms for Minimization over the Solutions of Equilibrium Problems and Fixed Point Problems. **Abstract and Applied Analysis**. Retrived September 27, 2010, from <http://downloads.hindawi.com/journals/aaa/2010/763506.pdf>.
- [59] Iiduka H. and Takahashi, W. (2008). Weak convergence of a projection algorithm for variational inequalities in a Banach space. **Journal of Mathematical Analysis and Applications**, 39(1), 668-679.
- [60] Xu, H.K. and Ori, M.G. (2001). An implicit iterative process for nonexpansive mappings. **Numer. Funct. Anal. Optim.**, 22, 767-773.
- [61] Qin, X., Cho, Y.J., Kang S.M. and Zhou, H. (2009). Convergence of a modified Halpern-type iteration algorithm for quasi- ϕ -nonexpansive mappings. **Appl. Math. Lett.**, 22, 1051-1055.
- [62] Alber, Ya.I. and GuerreDelabriere, S. (2001). On the projection methods for fixed point problems. **Analysis**, 21, 1739

- [63] 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.
- [64] Kohsaka, F. and Takahashi, W. (2008). Existence and approximation of fixed points of firmly nonexpansive type mappings in Banach spaces. **SIAM Journal on Optimization**, 19(2), 824-835.
- [65] Matsushita, S. and Takahashi, W. (2005). A strong convergence theorem for relatively nonexpansive mappings in a Banach space. **J. Approx. Theory**, 134, 257-266.
- [66] Kim, T. H. and Lee, H. J. (2008). Strong convergence of modified iteration processes for relatively nonexpansive mappings. **Kyungpook Math. J.**, 48, 685-703.
- [67] Zhang, S.S., Lee, J.H.W. and Chan, C.K. (2008). Algorithms of common solutions for quasi variational inclusion and fixed point problems. **Appl. Math. Mech.**, 29, 571-581.
- [68] Qin, X., Chang, S.S., Cho, Y. J. and Kang, M. (2010). Approximation of Solutions to a System of Variational Inclusions in Banach Spaces. **Journal of Inequalities and Applications**. Retrieved November 10, 2010, from <http://downloads.hindawi.com/journals/jia/2010/916806.pdf>.
- [69] Ceng, L.-C. and Yao, J.-C. (2008). A hybrid iterative scheme for mixed equilibrium problems and fixed point problems. **J. Comput. Appl. Math.**, 214, 186-201.

BIOGRAPHY



BIOGRAPHY

Name-Surname	Uthai Kamraksa
Date of Birth	May 9, 1983
Address	44/3 Mu 9, Tumbon Nongpai, Nongkhayang District, Uthaithani Province, Thailand 61130
Work Place	Naresuan University Secondary Demonstration School, Phitsanulok, 65000, Thailand
Education Background	
2007	M.S. (Mathematics), Chiangmai University, Chiangmai, Thailand
2005	B.S. (Mathematics), Naresuan University, Phitsanulok, Thailand

