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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_6698
Title of the Manuscript:	New iterative scheme for common solution of equilibrium problems, variational inequalities and fixed point of k-strictly pseudo-contractive mappings in Hilbert space
Type of the Article	Research Paper

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	In this paper, the authors propose a iterative scheme for finding a common point of the solution set of m equilibrium problems, a variational inequality problem and the fixed point set of a strictly pseudo-contractive mapping. To find a common point of the solution set of m equilibrium problems, they used the solution mapping proposed by Combettes and Hirstoaga in [6]. Then, the scheme is based on combining this, the extragradient methods for solving variational inequalities proposed Korpelevich in "G.M. Korpelevich, Extragradient method for finding saddle points and other problems, Matecon, 12, 747-756 (1976)", and fixed point techniques of Mann. Otherwise, this paper also is extended by the published paper "Jian-Wen Peng, Soon-Yi Wu, and Gang-Lun Fan: A Hybrid-Extragradient Scheme for System of Equilibrium Problems, Nonexpansive Mappings, and Monotone Mappings, Fixed Point Theory and Applications 2011, 2011:232163 doi:10.1155/2011/232163". Moreover, by basing on the paper "Yonghong Yao, Yeong-Cheng Liou, and Jen-Chih Yao, An Extragradient Method for Fixed Point Problems and Variational Inequality Problems, Journal of Inequalities and Applications, Volume 2007, Article ID 38752, 12 pages, doi:10.1155/2007/38752", we can see that the proposed scheme is a combination between this and the fixed point scheme of Mann. There are too much misprints, some technical concerns in the convergence proof is not clear. More detailed comments are given below. [1.] In the Theorem 3.0.1, $T: C \rightarrow C$ is a k-strictly pseudo-contractive mapping.	



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	What is the mapping S of the scheme (12)? Siminar to the mapping $TF_{m_r_m,n}, \dots$ [2.] The condition (B₂) of Theorem 3.0.1 is not true. It should be replaced by $0 < \liminf_{n \rightarrow \infty} \beta_n \leq \limsup_{n \rightarrow \infty} \beta_n < 1$. [3.] Inequality (14) is not true in the case $\lambda_n > \frac{1}{k}$. So the condition $\lambda_n \in (0, \frac{1}{k})$. Moreover, it is not different between number k in here and Condition (B₄). [4.] There are too misprints such as the title "New iterative scheme" should be replaced by "A new iterative scheme", "in Hilbert spaces" instead of "in Hilbert space". In Abstract: "present" instead of "presented", "to a variational" instead of "to variational", "the fixed point set" instead of "the set of fixed point", "in a real Hilbert space" instead of "in Hilbert space", "the common fixed point" instead of "common fixed point", "results improve and generalize" instead of "results improves and generalizes", ... If the authors carefully make the revision of the paper and address all the comments, then the paper may be published.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

Note: Anonymous Reviewer