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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_7059
Title of the Manuscript:	Fractional sub-equation method and analytical solutions to the Hirota-Satsuma coupled KdV equation and coupled mKdV equation
Type of the Article	Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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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 author discussed the exact solutions of two time-space fractional differential equations named Hirota-Satsuma coupled KdV and coupled mKdV equation. Via the fractional sub-equation method, the analytical solutions of these two equations were obtained. Also, the Mathematica code was given in the paper. In my opinion, this paper can be published after some minor revisions.	
Minor REVISION comments	(1) The physical background of the fractional Hirota-Satsuma coupled KdV equation and coupled mKdV equation should be added in the revised version. (2) In the following paper: Shimin Guo, Liquan Mei, Ying Li, Youfa Sun, The improved fractional sub-equation method and its applications to the space-time fractional differential equations in fluid mechanics, Physics Letters A 376 (2012) 407–411, the authors also discussed the exact solution s of fractional Hirota-Satsuma coupled KdV equation. Therefore, this paper should be cited in your	(1) We have add into the revised version a brief comment about the physical background of the fractional Hirota-Satsuma coupled KdV equation and coupled mKdV equation, we only mention the basic physical idea of these equations in the paragraph after equation Eq. (2), adding the appropriate references (Wu Y, Geng X, Hu X, Zhu S. A generalized HirotaSatsuma coupled Kortewegde Vries equation and Miura transformations, Phys. Lett. A.1999; 255 (4-6): 259-264.) and the Hirota's original work, (Hirota R, Satsuma J. Soliton solutions of a coupled Korteweg-



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	revised manuscript.	de Vries equation, Phys. Lett. A. 1981 85 (8-9): 407-408.). See the underlined text in the reviewed manuscript lines 71-77. (2) The reference: Guo S, Mei L, Li Y, Sun Y, Soliton solutions of a coupled Korteweg-de Vries equation, Phys. Lett. A. 2012;376(4):407-411. has been incorporated to the reference list, and presented in the general discussion where the sub- equation method has been applied to the KdV and mKdV coupled equations in the paragraph before equation (1) (see underlined text in the reviewed manuscript line 54-56).
<u>Optional/General</u> comments		