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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_9650
Title of the Manuscript:	Smooth soliton solutions of ZK(2,4,-2) equation
Type of the Article	Original 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, first of all, the authors using bifurcation method to solve the PDEs. And then on the basis of this method, numerical simulation are presented. I have the following major comments. \textbf{1.} In the Section "Abstract", the authors should delete "$u_t + a(u^2)_x = 0$". \textbf{2.} In the Section "Introduction", the authors should offer more methods to deal with the PDEs, such as Lie symmetry method and so on. The authors also should provide a recent development of these types of ZK equation. \textbf{3.} If Maple, Matlab or any other packages are used in any other part of the manuscript, the source code must be included. In particular, in section "Bifurcations and phase portraits of systems". \textbf{4.} This manuscript involves the investigation of PDEs, the following paper is	1, It isn't the completed ZK(2,4,-2) equation if "$u_t + a(u^2)_x = 0$" deleted in "Abstract", therefore, the reference [13] and some papers include the corresponding equations in "Abstract". 2, Maple is used in Section 2 and 3, however, the source code weren't included in the references such as [12,13,14] and so on, moreover, source code is personal resource in writing. So that I am sorry I won't show the source code in paper. 3, I have added more methods to deal with PDEs in the Section "Introduction". 4, The third suggested reference have cited in the paper. The methods and system mentioned in the first and second suggested references are not related to the study in this paper, furthermore the first and second suggested references can't show the page rangement in the corresponding journals, so I won't cite them in my paper.



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	related to this study, and the authors should cite them in the reference. Suggest you cite the following references: 1. "Group Analysis and New Explicit Solutions of Simplified Modified Kawahara Equation with Variable Coefficients. Abstract and Applied Analysis Volume 2013 (2013), Article ID 139160, 8 pages. http://dx.doi.org/10.1155/2013/139160". 2. "Singular solitons, shock waves, and other solutions to potential KdV equation". Nonlinear Dynamics, 10.1007/s11071-013-1189-9. 3. "Solitons and Lie group analysis to an extended quantum Zakharov-Kuznetsov equation", Astrophysics and Space Science. January 2014, Volume 349, Issue 1, pp 317-327. Conclusion: However, if the authors would like to revise their work in the light of the above comments, I would be glad to review the revision.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		