



SDI Review Form 1.6

PART 1:

Journal Name:	Physical Review & Research International
Manuscript Number:	MS: 2012/PRRI/2209
Title of the Manuscript:	New (G'/G)-expansion method and its applications to nonlinear PDE

General guideline for Peer Review process: *(Note: Title of different sections as proposed below may differ in case of review paper / case reports)*

- *Is the problem/objective of this study original and important? SCIENCEDOMAIN international strongly opposes the practice of duplicate publication or any type of plagiarism. However, studies which are carried out to reconfirm / replicate the results of any previously published paper with new dataset, may be considered for publication. But these types of studies should have a 'clear declaration' of this matter. If you suspect any unethical practice in this manuscript, kindly write it in the report with some proof/links.*
- *Materials & methods (Kindly comment on the suitability and technical standards of the methods. Sufficient details of the methods/process should be provided so that another researcher is able to reproduce the experiments described)*
- *Results & discussion (Kindly comment on: 1. Are the data well controlled and robust? 2. Authors should provide relevant and current references during discussion. 3. Discussion and conclusions should be based on actual facts and figures. Biased claims should be pointed out. 4. Are statistical analyses must for this paper? If yes, have sufficient and appropriate statistical analyses been carried out?)*
- *Conclusion (Is the conclusion supported by the data, discussed inside the manuscript? Conclusions should not be biased and should be based on the data, presented inside the manuscript only. Authors should provide adequate proof for their claims without overselling them)*
- *Are all the references cited relevant, adequate? Are there any other suitable current references authors need to cite?*
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- *We are very much reluctant to go against suggestions (particularly on technical areas) of the reviewers. Therefore, authors are requested to treat the suggestions of reviewers with utmost importance.*
- *This form has total 9 parts. Kindly note that you should use all the parts of this review form.*



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PART 2: 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)
<u>Compulsory</u> REVISION comments	<p><i>Expansion</i> methods for finding travelling wave solutions to nonlinear evolution equation have received considered attention. The basic G'/G-method is described in [13] and is simplified in [Fan]. The four categories of expression of $F(\xi)$ in Eq. (2) are equivalent to simpler tanh, coth, or cot functions. For example, letting $C_2/C_1 = e^{-\xi_0}$ and using $\coth x = \frac{e^{2x}+1}{e^{2x}-1}$, the last fraction in Eq. (3) can be simplified to $\coth(\frac{\sqrt{\Delta_1}}{2}\xi + \frac{\xi_0}{2})$. One can refer to [Fan] for the simplification of Eqs. (4)–(6).</p> <p>Accordingly, The so-called <i>new G'/G-expansion</i> in this submission is an equivalent one and offers nothing new.</p> <p>References:</p> <p>[Fan]X. Fan, et al. TravellingWave Solutions for the Gilson-Pickering Equation by Using the Simplified G'/G-expansion Method Journal of Nonlinear Science, Vol.8(2009),No.3,pp. 368-373</p>	<p>I used the new auxiliary equation, so the exact solutions obtained are different in form.</p>
<u>Minor</u> REVISION comments		



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<u>Optional/General</u> comments		