



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_43379
Title of the Manuscript:	(Kink; Kink; kink; Kink) and (Pulse; pulse; Pulse; pulse) Solutions of a Set of four Equations Modeled in a Nonlinear Hybrid Electrical Line with crosslink capacitor
Type of the Article	Review Paper

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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	<ol style="list-style-type: none"> 1. In the introduction section, the boundary between the previous works and the proposed work must be clarified, 2. Please place Figure 1 at the beginning of Section 2 with more details, 3. Analyze and interpret analytic equations (7), (9), (13) and (15) in physical terms, or cite useful references for readers 4. The mathematical formulation is from the literature or proposed by the authors? If it's proposed, what is the main differences between literature models and yours? 5. Specify, in the physical sense, the difference between solitary waves of type (Pulse; Pulse; Pulse; Pulse) and those of type (Kink, Kink, Kink, Kink) 6. To validate your model, you must add a simulation part in order to compare with other models or with the literature. 	<p>The mathematical formulation is our proposition. The main difference between literature models and our definitions is that charges of capacitors and magnetic flux linkage of inductors are defined under polynomial functions which can be considered as the Taylor expansion of real definitions we have proposed. These real definitions lead to the convergence of exact solutions.</p> <p>The difference between solitary waves of type (Pulse; Pulse; Pulse; Pulse) and those of type (Kink; Kink; Kink; Kink) is that solitary waves of type (Pulse; Pulse; Pulse; Pulse) are non-topological solitons which means that properties of their media are the same at infinity contrary to the solitary wave of type (Kink; Kink; Kink; Kink) which are topological solitons where properties of their media are not the same at infinity. The velocity of (Pulse; Pulse; Pulse; Pulse) solitary waves increase with their amplitude and cannot be zero contrary to (Kink; Kink; Kink; Kink) solitary waves where their velocity is not a function of their amplitude and can be a localized wave.</p> <p>Corrections have been done as recommended.</p>
Minor REVISION comments	<ol style="list-style-type: none"> 1. Please check the grammar, 2. Use short sentences, 3. Review the quality of the figure, 4. The references are not recent, 5. Future study should be added to the conclusion. 	<p>Corrections have been done as recommended.</p>
Optional/General comments	<p>The part of the conclusion "In Mathematical domain... line with crosslink capacitor" describes the analytical evolution of your model and must therefore be placed just after the equation (18)</p>	<p>Corrections have been done as recommended.</p>