

Review Form 1.7

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_118370
Title of the Manuscript:	Quasi rational solutions to the fifth equation of the NLS hierarchy
Type of the 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajr2p.com/index.php/AJR2P/editorial-policy>)

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1. The manuscript presents the construction of quasi rational solutions to the fifth equation of the NLS hierarchy, which could be theoretically interesting for specialists in nonlinear dynamics and integrable systems. However, the manuscript fails to demonstrate the broader significance and practical implications of these solutions, limiting its impact on the wider scientific community. Overall, the lack of clear applications and insufficient validation of the results diminish its importance for advancing the field.</p> <p>2. The title "Quasi Rational Solutions to the Fifth Equation of the NLS Hierarchy" is descriptive and accurately reflects the content of the manuscript. However, it could be more specific to highlight the focus on explicit expressions and parameter-dependent patterns. An alternative title could be: "Explicit Quasi Rational Solutions and Parameter-Dependent Patterns for the Fifth Equation of the NLS Hierarchy"</p> <p>3. The abstract provides a brief overview of the construction of quasi rational solutions for the fifth equation of the NLS hierarchy and mentions the explicit expressions and patterns studied based on different parameter values. However, it lacks detail on the methodology and the significance of the findings, which would help readers better understand the scope and impact of the research. Including a statement on the potential applications or implications of these solutions would make the abstract more comprehensive.</p> <p>4. The subsections and structure of the manuscript are not appropriate.</p> <p>5. Yes.</p> <p>6. Due to the inadequate introduction, which fails to provide a comprehensive background and context for the study, the references do not adequately support the research. Including more recent and relevant literature would help contextualize the findings and demonstrate their connection to current advancements in the field.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>1. Yes.</p>	
<p>Optional/General comments</p>		

PART 2:

	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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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