



SDI Review Form 1.6

PART 1:

Journal Name:	Physical Review & Research International
Manuscript Number:	2013_PRRI_3746
Title of the Manuscript:	SOME SALIENT FEATURES OF NONLINEAR WAVE PROPAGATION IN ROTATING PLASMAS

General guideline for Peer Review process is available in this link:

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

- 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)
Compulsory REVISION comments	<ol style="list-style-type: none"> 1. The title is too general and somehow confusing. 2. The abstract and the introduction sections are too shallow, the author is asked to rewrite them in a manner that reflect the strength of manuscript. 3. The authors should write about Coriolis force and demonstrate it in details because it is not clear for ordinary reader. 	<p>1. Title of the paper has been changed as : Study on nonlinear ion-acoustic solitary waves in a slow rotating plasma</p> <p>2. The abstract is now rewritten relying on the present observations. Totality of the introduction has written with more information about the subject in relation to the present investigations. More over more citations have given now as of literature survey.</p> <p>3. Details on Coriolis force has elaborately been discussed that too with proper citation generated from books and research papers published by the pioneers workers. Because of rotation there arises Coriolis force and centrifugal force. But, because of approximation on the concept of slow rotation, the effect of centrifugal force has been neglected which is very common in ideal model and carried its application in the dynamical behaviours of waves in astropasmas and cosmic phenomena e.g. have studied</p>



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	<p>4. The authors should mention more references about the Coriolis force.</p> <p>5. The authors should be read much before writing any paper, because there are many errors in rules of writing, for example, the authors did not leave a space between any symbols and the next word (see highlights in the manuscript).</p> <p>6. How does author</p>	<p>in slow rotating stars, low frequency Alfven wave, formation of nebulons over Moon's and Asteroid's surfaces derivable as a special properties of linear & nonlinear waves. Studies have considered the interaction of slow rotation causeway the effect of Coriolis force has been taken up in the dynamics. Our interested is also to study the nonlinear plasma-acoustic modes to know the effective role of Coriolis force in isolation. Such models have been considered by many authors who have shown that it could be an ideal model of astropasmas and thereby its important role successfully and making a heuristic milestone as well. Finally, the observations reveal that plasma dynamics in spaces should consider the rotational effect properly otherwise results will be missing many salient features. Details are cited in revised manuscript.</p> <p>4. All those have now incorporated, with due respect to Reviewer comments, in revised manuscript. In fact the manuscript has been written in simple scientific English for the better benefit to the reader(s).</p>
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	<p>justify this model of plasma?, Also, the author should apply their results to an application by choosing the appropriate plasma parameters</p> <p>7. Finally, the overall English language of the current manuscript should be improved.</p> <p>I would be happy to recommend publication of this manuscript after making these revisions.</p>	<p>6.The considered plasma model has the merit with the justification followed by the works of many pioneer researchers in astrophysical plasmas. More precisely to say that the considered present problem is having the merit as of a milestones in studying waves in astrophysical plasmas.. Parrel to earlier works, we have taken similar ideal model to study the nonlinear waves (we are probably the pioneer and leading investigators). To support the theoretical investigations, we have considered some typical plasma parameters. Variation of input plasma parameters will give schematic variation on the results due to the interaction of Coriolis force, that too concluding observations will not differ. Further, we are success to employ some new mathematical methods to solve the nonlinear wave equation and deserves the merit</p>
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		<p>as well.</p> <p>7. We have rewritten the paper with appropriate scientific English. I hope the revised manuscript will now be suitable to publish in the journal.</p>
Minor REVISION comments		
Optional/General comments		