



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_22317
Title of the Manuscript:	Improvement of Cryogenic Space Rocket Engine Ignition: inert gas sweep effects
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.

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)
<b><u>Compulsory</u></b> REVISION comments	<p><b>Changes which must be made before publication</b></p> <p><b>1- The authors should provide the novel ideas of their work.</b></p> <p><b>2- Discussion part needs to be improved with comparisons of the results with previous studies.</b></p> <p><b>3- Conclusions should be more detailed and should give new ideas for further studies, instead of using repeating sentences in the body of the technical paper.</b></p>	<p>1-This was emphasized by additional statements in abstract and in Conclusion.</p> <p>2-Studying the transient flow before ignition in terms of instabilities was not done yet; this is written in § “Discussion” (after eq (24)) and is confirmed by reviews in ref [42] and [45]. No comparison is therefore possible.</p> <p>3-New ideas have been emphasized by additional sentences. Regarding further studies, this was clearly suggested in the two last paragraphs of Conclusion. The last suggestion is already undertaken in our lab and results will soon be ready for a next publication.</p>
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		