



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_30928
Title of the Manuscript:	Semilocal Convergence Newton Method Applied to Kepler Equation: New Results
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)
Compulsory REVISION comments	1. What is semi-local convergence? It is suggested to draw rough diagram in your manuscript to understand the concept. 2. Re- write abstract which should not contain reference name, it should be short and clearly meaningful. 3. Equation no: (1.2) is repeated and is numbered lot many times in your manuscript. [e.g. check Eq. 1.4, 1.5, 1.9, 1.13, 1.17 and 2.3 are same.], author can simply write the Eq. is defined in (x. x). 4. What each theorem, considered in manuscript, signifies and how these theorems are different from each other? 5. On page no. 101 of your manuscript, in introduction part, almost all of the paragraphs are written twice. Avoid such writing as reviewers get fatigued. 6. Add some more literature if possible. 7. Add the references for the postulate considered for the theorem (1.1) to (2.4). 8. What is mean by 'idea' in your manuscript, the word 'idea' never come in manuscript; instead use the word 'aim'. 9. Never write as 'we' in the manuscript, instead write 'author or authors'. 10. Need to restructure the English language at various places in your manuscript. 11. On page no: 101, second last paragraph of the introduction part, how can the author guarantee for majoring function to lead to real roots? Suggested to restructure the word 'guarantee'. 12. Solve Eq.(2.17) further to get- $\frac{\pi e}{2(1+e)^2}$	The authors agree with suggestions 1, 2, 3, 5, 6, 8, 9, 10, 15 and 17. In this sense, the improvements noted in these parts have been introduced. In suggestions 4, 11, 12, 13 and 14, the authors consider that they can be avoided because the future reader of this article should have minimal knowledge of the subject in question. On the other hand, the summary of the article appears in the notes of the presentations of the event in question, but has not been published in any journal.



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	13. What do author mean by the last sentence on page no:107, i.e. 'the rest of the proof follows immediately', Explain? 14. Suggested to add nomenclatures for each term in the manuscript. 15. It would be better if the results would have been shown in graphical form, in addition to the existing table format. 16. In the title of section '3', the word 'experiments' should be replaced with 'Analogy', as author is not actually experimenting. 17. In table-2, what makes the inequality value of 'e', which is not matching with the proved value of 'e' for Smale's theory? 18. In conclusion part, what is the criterion to decide higher eccentricity is the best for Kantorovich theorem. Semilocal convergence of Newton's method, Applied Kepler equation. new Results Conference Paper · June 2016 <i>with</i> 9 Reads Conference: XII International Congress of Scientific Research, At Santo Domingo, Dominican Republic, Volume: I Authors are requested to comply the questionnaires as mentioned in reviewer's comment.	
Minor REVISION comments	--	
Optional/General comments	--	