



**SDI FINAL EVALUATION FORM 1.1**

**PART 1:**

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|--------------------------|-----------------------------------------------------------------------------|
| Journal Name:            | <a href="#">British Journal of Applied Science &amp; Technology</a>         |
| Manuscript Number:       | Ms_BJAST_30928                                                              |
| Title of the Manuscript: | Semilocal Convergence Newton Method Applied to Kepler Equation: New Results |
| Type of Article:         | Original Research Article                                                   |

**PART 2:**

| FINAL EVALUATOR'S comments on revised paper (if any)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Authors' response to final evaluator's comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <p>1. As mentioned in point no. 4, 11,12,13 and 14 of the earlier reviewer's comment, authors responded that 'They can be avoided because the future reader of this article should have minimal knowledge of the subject in question', agreed. But, as a reviewer, the above points are incorporated to know the depth of knowledge/concepts delivered by the authors and it is expected to respond the above points point-wise. However, except point no.14, rest of the points must be answered as a response to reviewer's comment without including in the manuscript.</p> <p>2. Authors have also quoted '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.' Reviewer is unaware of any notes of presentation of the event that authors are dealing with. Kindly, elaborate the 'notes of the presentations of the event' in the quote, what it means?</p> <p>3. Graphs added by the authors in the revised manuscript are without the curve names and nomenclatures along x &amp; y-axis as well.</p> <p>4. It is expected to put two lines about the prediction and behaviour of the various graphs (curves) in the revised manuscript.</p> | <p>1. But, as a reviewer, the above points are incorporated to know the depth of knowledge/concepts delivered by the authors and it is expected to respond the above points point-wise.</p> <p>The authors do not agree with the reviewer, because we consider that their function is not to evaluate the level of knowledge of the authors, its function is to indicate the possible improvements of the same.</p> <p>2. It means that it has not been published in any journals.</p> <p>3. The authors agree with the reviewer. The names of the axes were added and the curves were named. The red color corresponds to Gutiérrez's theory, the blue to Smale's theory, the green to the Wang-Zhao's theory and the gray to Kantorovich's theory.</p> <p>4. The behavior of the graphs appear in the conclusions. In addition, it is found that for the starting point <math>E_0 = \pi</math>, eccentricity values that ensure convergence of Newton's method applied to the equation of Kepler, become more restrictive.</p> |