**GPH Review Form**

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| Journal Name: | [Asian Journal of Pure and Applied Mathematics](https://globalpresshub.com/index.php/AJPAM) |
| Manuscript Number: | **Ms\_AJPAM\_1468** |
| Title of the Manuscript: | **Trigonometric-Fitted One-Step 3 Points Hybrid Block Method for the Solution of Stiff and Oscillating Problems.** |
| Type of the Article |  |

**PART 1: Review Comments**

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|  | **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. Is the manuscript important for scientific community?**  (Please write few sentences on this manuscript)  **2. Is the title of the article suitable?**  (If not please suggest an alternative title)  **3. Is the abstract of the article comprehensive?**  **4. Are subsections and structure of the manuscript appropriate?**  **5. Do you think the manuscript is scientifically correct?**  **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)** | **Manuscript is important for scientific community as many problems involve periodic initial value problem.**  **Not suitable, title should not include “stiff” since it is not discussed.**  **Some approaches written in abstract are not discussed such as exponential function as the basis function, etc.**  **Structure is acceptable.**  **Start from equation (3), most of the equations are arguable or misleading.**  **References are sufficient.** | Okay |
| **Minor** REVISION comments  **1. Is language/English quality of the article suitable for scholarly communications?** | suitable |  |
| **Optional/General** comments | Need robust discussion of stiffness as well as its definition before the inclusion of “stiffness” in the title.  Eq(3) need clarification, why h2 appear suddenly? Index j in eq(4) need to be improved.  Need elaboration on the eq(5), what is X, A and U? Need explanation on the transformation used by Kayode (2015).  Eq(6) is missed.  Need some explanation on the eq(7)? What is symbol g?  Summation if eq(8) is not appropriate, should use |  |

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Summation with integer index. Eq(9) is missed

Index in Cq is wrong.

Please check your eq(11), 2h

Please re-write zero stability section. Need to define zero stability test function etc.

Two equations are missed in section 3.4 convergency. One equation is missed in section 3.6

Using definition of stiff equation, prove that your

experiment problem is stiff.

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| **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |