



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_40447
Title of the Manuscript:	IMPLICIT HYBRID POINTS APPROACH FOR SOLVING GENERAL SECOND ORDER ORDINARY DIFFERENTIAL EQUATIONS WITH INITIAL VALUES
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>)

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	The article contains many inaccuracies and mistakes. Here are some of them: 1. Formulas (3), (4) do not agree with (2); 2. The matrix multiplication AX in formula (6) is incorrect; 3. Taylor series in line 92 is written incorrectly; 4. A large variety of parameters b, c, d, e, g, h, i, j, k, which appear in line 105, are not defined. Why is it exactly the 6e? There are also some questions on the numerical implementation: 1. According to the author, the proposed method has an accuracy of $6,51 \times 10^{-5}$. So what's the sense of writing down the figures over the 5th digit after the point in the decimal notation in the ans? 2. The numerical values of the exact solution in Problem 1 are calculated incorrectly. Thus, in Table 1 the values, obtained by the author's method, are compared with the previously incorrect values (supposedly exact). Such a comparison is absurd.	Corrected Corrected Formula (6) is correct. Corrected Corrected but it is necessary to leave some results in 5 digit to be able to distinguish the results.
Minor REVISION comments	It is necessary to introduce such notations, under which the formulas will be less cumbersome	It is necessary to expand the method by Taylor's series to enhance its accuracy and performance.
Optional/General comments	1. A lot of errors make it difficult to read and evaluate the paper. 2. The presentation should be logically consequent and mathematically strict.	The presentation is logical enough and mathematically acceptable.