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Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_29698
Title of the Manuscript:	Out-of-plane Equilibrium Points in the Photogravitational Restricted Four-Body Problem with Oblateness
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.

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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	Out of plane Equilibrium points in the Photo gravitational Restricted Four body Problem with Oblateness No Ms_BJMCS_29698 The present research work is devoted to the analysis of infinitesimal mass moves under three massive bodies in which bigger primary is the source of radiation and the two of the smaller primaries are having equal masses are of oblate spheroids. In the present work it has been discussed the linear stability of out of the plane equilibrium points in the circular restricted four body problem. The present research work is in direct continuation of the research work carried out by Douskos and Markelos [12] and Papadouris and papadakis[23], in which authors have conducted analytical and numerical technique to discusses stability of the system. The following suggestion are required for revision and improvement of the paper 1 The research paper is badly written. At least the introduction must be modified. The derivation of equation of motion taking into account of all perturbing forces are required. Many typographical and grammatical error are observed 2 Some mistakes in references are also noticed 3 Discussion and conclusion are inadequate, It should be properly rewritten.	We have modified and revised the whole manuscript carefully and tried to avoid any grammar and typographical error. In addition, we have asked several colleagues who are skilled authors of English language papers and in the same field of ours to check the English. We believe that the language is now acceptable for publication in the journal. As it is known, R4BP is the simplest model after the R3BP and a natural generalization of it. The equations of motion are ok. We can see that if we put $q_1=1$ and /or $A_2 = A_3 =0$, we obtain the classical equations. Of course, if one want to be sure that the equations are correct one have to prove them working as Szebehely 1967 (Kepler's third law, etc., not very easy proof). Also, readers can consult: Moulton, F.R. (1900). On a class of particular solutions of the problem of four bodies, Trans. Amer. Math. Soc. 1, 17—29 Readers can also be helped by the books: 1) The three-body problem, C. Marchal, Elsevier, 1990, Chapters 4—8 2) Theory of orbits. Restricted problem of three bodies. V. Szebehely, Chapter 1. 3) An introduction to Celestial Mechanics, F.R. Moulton, Dover publication, 1970 4) The analytical foundations of Celestial



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		Mechanics, A. Winter, Princeton, New Jersey, 1947, Chapter V 5) Celestial Mechanics, Y. Hagihara, MIT press, 1970 6) Theory of Orbits, 1. Integrable systems, D. Boccaletti, G. Pucacco Springer, Chapters 3 and 4 We have checked the accuracy, number, typographical/spelling and citation appropriateness of all the references. The discussion and conclusion are also modified.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	After modification of the paper ,it may be accepted for the publication in the Journal	