

Review Form2

Book Name:	Mathematics and Computer Science - Contemporary Developments
Manuscript Number:	Ms_BPR_1970
Title of the Manuscript:	MOTIF ON PYTHAGOREAN TRIANGLES IN CONNECTION WITH DHURUVA NUMBERS OF ORDER FOUR AND SIX
Type of the Article	Book Chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	REFeree REPORT Recommendation: Accept with revisions. In this paper, authors presented Pythagorean triangles in connection with Dhuruva number of order 6 and pairs of Pythagorean triangles such that, in each pair, the difference between their perimeters is represented by Dhuruva numbers of orders 4,5 and 6. It is observed that there are only finitely many Pythagorean triangles satisfying the property under consideration. Also , authors gave the total number of pairs of Primitive and non-primitive Pythagorean triangles. Overview: Text is Likely Human written, may include parts as %22 generated by AI/GPT. Precise (as a Word) has to be written as ABSTRACT, similarly Launch has to be written as Introduction and Preliminaries. The study is clearly significant, offering new insights and extending current literature. Conclusion section need to be given. Even the paper is written well as grammatical in english but there are some grammatical errors in the paper and they need to be removed. Please also consider following items: Positive Aspects: - The topic is highly relevant to the field of number theory and Diophantine theory. - The abstract is logically organized, providing a clear progression from the introduction of the problem to the results. - The language is clear and professional, suitable for the target academic audience without minor revision. - The abstract indicates robust methodology through the number theory with examples. - The use of representation enhances the presentation of results. - The results are presented as new and significant, extending known results in the literature. - The inclusion of a supporting example strengthens the findings. - Please, adding more explanations for conclusion section and abstract to the abstract would improve its structure. This section should summarize the key findings and their implications in one or two sentences. - Decrease similarity a bit if possible without disturb structures of the topic and symbols. Revisions: Conclusion: The abstract is well-written and presents significant findings that contribute to the field Number theory but need to be extended. The minor revisions suggested aim to enhance the clarity and comprehensiveness of the abstract. Specifically, adding a conclusion section and extending the abstract with more details will provide a more complete picture of the study's contributions.	

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	Acknowledgement part and conflict of interest and GPT used parts have to be added at the end of the paper. Please also add following references to the paper: ✓ A Collection of Pellian Equation (Solutions and Properties) (2018)., Gopalan MA,Vidhyalakshmi SA, ÖZER ÖZEN , Akinik Publications, Publication No:1, English . ✓ S.Vidhyalakshmi 1 , MAGopalan 2 , S. Aarthy Thangam 3 ,Ö.Özer 4* *(Corresponding) , 2019 , On Ternary Biquadratic Diophantine Equation , Notes on Number Theory and Discrete Mathematics, Vol. 25, 2019, No. 3. 65–71, DOI: 10.7546/nntdm.2019.25.3.65-71. ✓ ÖZER ÖZEN (2022). A Note on the Some Specific Diophantine D(s) Property from Triple to quadruple Egyptian Computer Science Journal, 46(2), 100-112. ✓ Gopalan MA, Thangam S Aarthy, ÖZER ÖZEN* (2021). On the System of Double Equations with Three Unknowns $d+ay+bx+cx^2=z^2$, $y+z=x^2$, International Journal of Nonlinear Analysis and Applications, 12(1), 575-581. ✓ ÖZER ÖZEN (2022). Some Results on the Extensions of Special Diophantine D(s) Sets from Single to Triple. Egyptian Computer Science Journal, 46(2), 90-99. ✓ Vidhyalakshmi SA, Gopalan MA, ÖZER ÖZEN (2022). On Non-Homogeneous Cubic Equation With Four Unknowns $xy+2z^2=2w^3$. Purakala, UGC CARE APPROVED JOURNAL, 31(2), 927-933. ✓ Gopalan MA, Thangam S Aarthy, ÖZER ÖZEN (2020). On the Quinary Homogeneous Bi-Quadratic Equation $x^4+y^4-(x+y)w^3=14z^2T^2$. Journal of Fundamental and Applied Sciences, 12(2), 516-524. ✓ ÖZER ÖZEN (2023). Some Notes on the Extendibility of an Especial Family of Diophantine P_2Pairs . Journal of Advanced Mathematics and Mathematics Education, Vol.6 No:2 1-7,2023. ✓ ÖZER ÖZEN (2018). On The Some Nonextendable Regular P_2 Sets, Malaysian Journal of Mathematical Science (MJMS), 12(2): 255–266. ✓ OZER ÖZEN (2019). A Certain Type of Regular Diophantine Triples and Their Non-Extendibility. Turkish Journal of Analysis and Number Theory, 7(2), 50-55. Please don't hesitate to contact with me if you have any question. After complete revision please send me to check again.	
Is the title of the article suitable? (If not please suggest an alternative title)	MENTIONED AS ABOVE WITH DETAILS	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	MENTIONED AS ABOVE WITH DETAILS	
Are subsections and structure of the manuscript appropriate?	MENTIONED AS ABOVE WITH DETAILS	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	MENTIONED AS ABOVE WITH DETAILS	

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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	MENTIONED AS ABOVE WITH DETAILS	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	MENTIONED AS ABOVE WITH DETAILS	
Optional/General comments	MENTIONED AS ABOVE WITH DETAILS	

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)	

Reviewer Details:

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