

# Review of: "Symmetric Key generation And Tree Construction in Cryptosystem based on Pythagorean and Reciprocal Pythagorean Triples"

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Potential competing interests: No potential competing interests to declare.

Author proposes a novel technique to determine Pythagorean triples to generate keys. In my observation, this scheme may provide a good insight for researchers working on secure key generation. There are few concerns that must be addressed for any possible recommendation:

1. The presentation quality of paper is really poor. The objectives need be included in the introduction section. Motivation and Contribution should be comprised as a separate section to provide clear idea and results of the paper.
2. Improvement in sentence framing in abstract is required and there is repetition of word 'authenticate' in line 7.
3. Check adequate spacing between words throughout the paper.
4. Provide appropriate reference for Euclid's Pythagorean triple formula.
5. First word after full stop should always start with an uppercase letter.
6. At the end of introduction, the paper's organization should be introduced in a paragraph.
7. The article needs proofreading to correct grammar and punctuation.
8. Improvement in the formatting of all tables is required. In Table 3, author has written 'A' instead of 'a' as variable. After explaining Table C' in caption of Table 9, why is there written 'Table 2.15' in between. All the tables should be cited in the text.
9. In case 1.4 and 1.5, author wants to talk about which chapter 1, there is no reference cited.
10. Author has provided all the references together before case 1, instead it should cited at proper position in whichever subcase author is using the particular reference. Like, to support the results used in case 1.4 and 1.5, appropriate reference should be cited near the result used.
11. Language flow must be improved in the explanation of case 2.
12. Why are subcases of case 2 named like, 2.6.1, 2.6.2, 2.6.3...?