

Peer Review

Review of: "Visualizing Generalizations of the Pythagorean Theorem"

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The Pythagorean Fivefold Theorem is a generalization of the Pythagorean Theorem due to Hirotaka Ebisui and J.C.G. Notrott. It states that the sum of the areas of two new squares constructed on the convex hull of the original squares of the Pythagorean Theorem is equal to five times the area of the third square. In this nicely written article, a visual proof of the Ebisui-Notrott Theorem using the method of rearrangement is provided. The paper also contains an interesting visual proof of another generalization of the Pythagorean Theorem, the so-called Four (Hinged) Squares Theorem, that improves our knowledge of the use of Euclid's Windmill Theorem for an arbitrary triangle. The paper is well-written, and the proofs are correct and clear. I suggest publishing the paper in Qeios.

Declarations

Potential competing interests: No potential competing interests to declare.