

ZMATH 2014d.00625

Dergiades, Nikolaos

Special inscribed trapezoids in a triangle.

Forum Geom. 13, 165-167 (2013).

The paper deals with the following construction generalizing work by *F. van Lamoen* [Forum Geom. 13, 149–152 (2013; Zbl 1287.51018)]: Given an arbitrary point A , on the side BC of a given triangle ABC , construct on BC points P and P' isotomic with respect to B and C such that the parallels from P, P' to AA' meet AB and AC at points Q, Q' such that, in the trapezoid $QPP'Q'$ it holds that $QQ' = PQ'P'Q'$. The authors show how to perform this construction and investigate some interesting properties. Just like in van Lamoen's work, some background or motivation would have been highly appreciated.

Antonio M. Oller (Zaragoza)

Classification: G45

Keywords: triangle; trapezoid; isotomic points

<http://forumgeom.fau.edu/FG2013volume13/FG201317index.html>