SEMEXCIRCLE OF QUADRILATERAL

Mashadi, Sri Gemawati, Hasriati and Hesy Herlinawati

Abstract

Suppose that $ABCD$ is a quadrilateral. Then there will be 4 pieces of semi-excircle on the quadrilateral. In this paper, we will discuss how to determine the length of the radii of the semi-excircle, but previously we will also be discussed how to determine the length of 4 new sides formed from the extension of the sides on $\square ABCD$ which has no parallel sides.

Keywords and phrases: semi-excircle of quadrilateral, semi-Gergonne, tangential quadrilateral, radii of excircle.

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References

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