

ON THE ERDÖS–MORDELL INEQUALITY FOR TRIANGLES IN TAXICAB GEOMETRY

MAJA PETROVIĆ, BRANKO MALEŠEVIĆ AND BOJAN BANJAC

Abstract. In this paper the Erdős-Mordell's inequality is examined for the case of a triangle ABC in the taxicab plane geometry. It is shown that the Erdős-Mordell's inequality $R_A + R_B + R_C \geq w(r_a + r_b + r_c)$ holds for triangles with appropriate positions for its points A , B and C , if $w = 3/2$.

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