

ON THE EXTENSION OF THE ERDŐS–MORDELL TYPE INEQUALITIES

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Abstract. We discuss the extension of inequality $R_A \geq \frac{c}{a}r_b + \frac{b}{a}r_c$ to the plane of triangle $\triangle ABC$. Based on the obtained extension, in regard to all three vertices of the triangle, we get the extension of Erdős-Mordell inequality, and some inequalities of Erdős-Mordell type.

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