Liu, Jian  
Two new refinements of a linear geometric inequality. (English)  
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Summary: For a consequence of the Erdős-Mordell inequality, we establish two new refinements with the help of Maple software. Some applications are also given by new results. Several interesting conjectures checked by computer are presented as well.

MSC:  
51M16 Inequalities and extremum problems in real or complex geometry

Keywords:  
Erdős-Mordell inequality; triangle; point; altitude; median

Full Text: Link