

Abstract: The metric Mahler measure $M_1 : A \rightarrow [1, \infty)$ is a modification of the classical Mahler measure M that satisfies the triangle inequality $M_1(\alpha\beta) \leq M_1(\alpha)M_1(\beta)$. This function was first studied by Dubickas and Smyth in 2001, where they suggested a certain weakened version of Lehmer's conjecture. We establish this conjecture as well as give some applications showing that the value of M_1 cannot be too mysterious. We further examine a collection of other metric Mahler measures that give rise to new problems.