

ANALYTIC ISOPERIMETRIC INEQUALITIES

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Abstract. In this paper we introduce the concept of area functions for a given function. We then apply these area functions to establish new analytic and geometric isoperimetric inequalities.

Mathematics subject classification (1991): 26B25, 26D20, 26D05, 51M16, 51M25.

Key words and phrases: cyclic polygon, analytic and geometric isoperimetric inequalities, Jensen's inequality, quadratic Jensen's inequality.

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