LYAPUNOV–TYPE INEQUALITIES FOR HIGHER–ORDER DIFFERENTIAL EQUATIONS WITH ONE–DIMENSIONAL $p$–LAPLACIAN

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Abstract. In this paper, we establish Lyapunov-type inequalities for a single higher-order differential equation, a cycled system and a coupled system with one-dimensional $p$-Laplacian. Our result generalize some given results.


Keywords and phrases: Lyapunov-type inequalities, higher-order differential equations, $p$-Laplacian.

REFERENCES