BOUNDS ON CERTAIN NONLINEAR DISCRETE INEQUALITIES

WEIHONG SHENG AND WEI NIAN LI

Abstract. Our aim in this paper is to investigate certain nonlinear discrete inequalities which provide explicit bounds on unknown functions. The inequalities given here can be used as tools in applications in the theory of certain finite difference and sum–difference equations.

Key words and phrases: Discrete inequality, bound, nonlinear, difference equation.

REFERENCES