



# Oscillation Criteria for Difference Equations with Non-Monotone Deviating Arguments of Advanced Type

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## Abstract

This paper investigates the oscillation of solutions to first-order advanced difference equations with non-monotone deviating arguments. We establish two oscillation criteria based on an iterative procedure, which yield sharper conditions than existing results in the literature. Numerical examples are provided to illustrate the applicability of the obtained criteria.

**Keywords:** Difference equation, oscillatory criteria, characteristic equation, non-monotone advanced arguments.

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