

Saker, S. H.

Oscillation criteria for a certain class of second-order neutral delay dynamic equations.

(English) [Zbl 1180.34067](#)

Dyn. Contin. Discrete Impuls. Syst., Ser. B, Appl. Algorithms 16, No. 3, 433-452 (2009).

By employing the generalized Riccati transformation technique, the author establishes some new oscillation criteria for a class of second order nonlinear neutral delay dynamic equations on a time scale.

Reviewer: [Mingshu Peng \(Beijing\)](#)

MSC:

[34K11](#) Oscillation theory of functional-differential equations

[34K40](#) Neutral functional-differential equations

[34N05](#) Dynamic equations on time scales or measure chains

Cited in **5** Documents

Keywords:

oscillation; neutral delay dynamic equation; generalized Riccati technique; time scales