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**Eric Kaufmann**, Little Rock, AR 72204, and **Nick Kosmatov**, Little Rock, AR 72204. *Positive Periodic Solutions In Neutral Dynamic Equations on a Time Scale.*

Let  $\mathbb{T}$  be a periodic time scale. We use a fixed point theorem due to Krasnosel'skiĭ to show that the nonlinear neutral dynamic system

$$x^\Delta(t) = -a(t)x^\sigma(t) + c(t)x^{\tilde{\Delta}}(\tau(t)) + q(t, x(\tau(t))), \quad t \in \mathbb{T},$$

with delay  $\tau(t)$  has a positive periodic solution. Here  $x^\Delta$  is the  $\Delta$ -derivative on  $\mathbb{T}$  and  $x^{\tilde{\Delta}}$  is the  $\Delta$ -derivative on  $\tau(\mathbb{T})$ .

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