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The goal of our study is to determine oscillatory criteria for solutions of the following system:

$$\begin{aligned}x^\Delta(t) &= a(t)y^\alpha(t) \\ y^\Delta(t) &= b(t)z^\beta(t) \\ z^\Delta(t) &= c(t)x^\gamma(t).\end{aligned}$$

We will allow for the domain of this system any unbounded time scale, \mathbb{T} , and assume that $a, b : \mathbb{T} \rightarrow [0, \infty)$ and $c : \mathbb{T} \rightarrow (0, \infty)$ are right dense continuous functions such that a and b satisfy

$$\int_T^\infty a(t) \Delta t = \int_T^\infty b(t) \Delta t = \infty, T \in \mathbb{T}. \quad (1)$$

In addition, we will require α, β , and γ to be ratios of odd positive integers. (Received September 25, 2006)