

cases	doc_1		doc_2		decision	id
			authors	<ul style="list-style-type: none">A. ArdjouniA. Djoudi	NOT DUPLICATES	525
			title	Existence of Periodic Solutions for Nonlinear Neutral Dynamic Equations with Functional Delay on a Time Scale		
			publication_date	None		
			source	SupportedSources.SEMANTIC_SCHOLAR		
			journal			
			volume	52		
			doi			
			urls	<ul style="list-style-type: none">https://www.semanticscholar.org/paper/d6d9b07adad08c64d95a6d0e29953ea634aec81f		
			id	id-2648452187545823082		
			abstract	Let \mathbb{T} be a periodic time scale. The purpose of this paper is to use a modification of Krasnoselskii's fixed point theorem due to Burton to prove the existence of periodic solutions on time scale of the nonlinear dynamic equation with variable delay $x^{\triangle}(-a(-t))h(-x^{\sigma}(-t)) + c(t)x^{\sim}(-t) + G(-t, x(-t), x(-t-r))$, $t \in \mathbb{T}$, where f^{\triangle} is the \triangle -derivative on \mathbb{T} and f^{\sim} is the \sim -derivative on $(id-r)(\mathbb{T})$. We invert the given equation to obtain an equivalent integral equation from which we define a fixed point mapping written as a sum of a large contraction and a compact map. We show that such maps fit very nicely into the framework of Krasnoselskii-Burton's fixed point theorem so that the existence of periodic solutions is concluded. The results obtained here extend the work of Yankson [Yankson, E.: Existence of periodic solutions for totally nonlinear neutral differential equations with functional delay Opuscula Mathematica 32, 3 (2012), 617-627.].		
			versions			
			authors	<ul style="list-style-type: none">A. ArdjouniA. Djoudi		
			title	Existence and positivity of solutions for a totally nonlinear neutral periodic differential equation		
			publication_date	None		
		source	SupportedSources.SEMANTIC_SCHOLAR			
		journal	Miskolc Mathematical Notes			
		volume	14			
		doi	10.18514/MMN.2013.742			
		urls	<ul style="list-style-type: none">https://www.semanticscholar.org/paper/f1e1faa5abc02d8d06d5cad847cdcdbd7c60ca9fc			
		id	id7703244393954780233			
		abstract	. In this paper, we use a modification of Krasnoselskii's fixed point theorem introduced by Burton (see [6] Theorem 3) to establish new results on the existence and positivity of solutions for the totally nonlinear neutral periodic differential equation of the form We invert this equation to construct a sum of a completely continuous map and a large contraction which is suitable for the application of a modification of Krasnoselskii's theorem.			
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