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The Leray-Schauder nonlinear alternative is used to investigate the existence of solutions for the functional impulsive dynamic equation with infinite delay,

$$\begin{aligned} [y(t) - g(t, y_t)]^\Delta &= f(t, y_t), \quad t \in J := [0, b] \cap \mathbb{T}, \quad t \neq t_1, \dots, t_m, \\ y(t_k^+) - y(t_k^-) &= I_k(y(t_k^-)), \quad k = 1, \dots, m, \\ y_0 &= \phi \in \mathcal{B}, \end{aligned}$$

where \mathbb{T} is a time scale unbounded below, $0, b \in \mathbb{T}$, the points $t_1 < \dots < t_m$ are right dense points of \mathbb{T} , $f : J \times \mathcal{B} \rightarrow \mathbb{R}$ is continuous, $I_k \in C(\mathbb{R}, \mathbb{R})$, and \mathcal{B} is a phase space. (Received July 20, 2005)