

KCI 통합검색

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검색어를 입력해 주세요

우수등재

EFFECT OF PERTURBATION IN THE SOLUTION OF FRACTIONAL NEUTRAL FUNCTIONAL DIFFERENTIAL EQUATIONS

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초록 ▲

In this paper, we study the initial value problem for neutral functional differential equations involving Caputo fractional derivative of order $\alpha \in (0, 1)$ with infinite delay. Some sufficient conditions for the uniqueness and continuous dependence of solutions are established by virtue of fractional calculus and Banach fixed point theorem. Some results obtained showed that the solution was closely related to the conditions of delays and minor changes in the problem. An example is provided to illustrate the main results.

키워드 ▲

Fractional Functional differential equations, Caputo fractional derivative, Continuous dependence, Fixed point theorem.

인용현황

KCI에서 이 논문을 인용한 논문의 수는 0건입니다.

참고문헌(25) ▼

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