عنوان مقاله:

On the existence of positive solutions for a non-autonomous fractional differential equation with integral boundary conditions

محل انتشار:

تعداد صفحات اصل مقاله: 16

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خلاصه مقاله:

By using the Guo-Krasnoselskii's fixed point theorem, we investigate the existence of positive solutions for a non-autonomous fractional differential equations with integral boundary conditions of fractional order $\alpha \in (۲, ۳]$ in an ordered Banach space. The Fredholm integral equation has an important role in this article. Some examples are presented to illustrate the efficiency of the obtained results.

کلمات کلیدی:

Caputo fractional derivative, Integral boundary conditions, Fredholm integral equation

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