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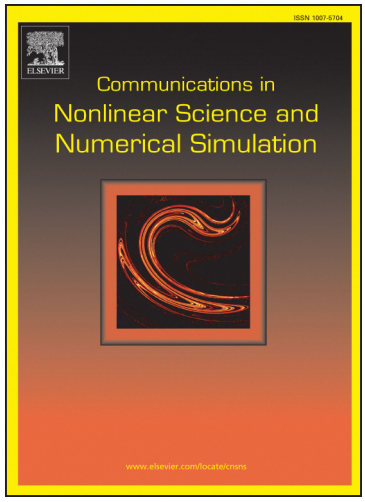

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Comments on the concept of existence of solution for impulsive fractional differential equations

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Highlights

- Indicate the mistake in the counterexamples of some recent works dealing with the existence of solutions for impulsive fractional differential equations.
- Show the plausibility of the previous results.

Abstract

In some recent works dealing with the existence of solutions for impulsive fractional differential equations, it is pointed out that the concept of solutions for such equations in some preceding papers is incorrect. In support of this claim, the authors of these papers begin with a counterexample. The objective of this note to indicate the mistake in these counterexamples and show the plausibility of the previous results.

Keywords: Fractional differential equations; Caputo derivative; Impulse; Existence.

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