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Existence and uniqueness results for impulsive delay differential equations. (English)

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Dyn. Contin. Discrete Impulsive Syst. 5, No. 1-4, 579-591 (1999).

The authors establish existence and uniqueness results for a general class of impulsive differential equations of the form

$$x'(t) = f(t, x_t), \quad t \geq t_0, \quad \Delta x(t) = I(t, x_{t-}), \quad t = \tau_k, \quad t > t_0.$$

In addition, a discussion of these problems is presented.

Reviewer: [Stieg Olof Londen \(Espoo\)](#)

MSC:

[34K45](#) Functional-differential equations with impulses

Cited in **102** Documents

Keywords:

impulsive differential equations; existence; uniqueness