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Variational lyapunov method and stability analysis for perturbed setvalued impulsive integro-differential equations with delay
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Abstract
In this paper, we develop stability criteria in terms of two measures for perturbed setvalued delay integro-differential equations with fixed moments of impulsive effects. Variational Lyapunov method is employed to establish the stability properties of the perturbed system via a comparison result which connects the solutions of perturbed system and the unperturbed one through the solutions of a comparison system.

Author Keywords
Comparison principle; Perturbed setvalued impulsive delay integro-differential equations; Stability in terms of two measures; Variational Lyapunov method

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