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Sufficient Conditions for the Lp-Equivalence Between two Nonlinear Impulse Differential Equations

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Abstract: Sufficient conditions for the Lp-equivalence between two nonlinear impulse differential equations with unbounded linear parts and possibly unbounded nonlinearity parts are given. An example of two nonlinear impulse differential parabolic equations is considered.

Key Words: Impulse differential equations, Lp-equivalence, Partial impulse differential equations of parabolic type