EXISTENCE RESULTS FOR SYSTEMS
OF NONLINEAR EVOLUTION INCLUSIONS

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Abstract. Existence results for semilinear systems of abstract evolution inclusions are established by means of Nadler, Bohnenblust-Karlin and Leray-Schauder fixed point theorems and a new technique for the treatment of systems based on vector-valued metrics and convergent to zero matrices.
Key Words and Phrases: Abstract parabolic evolution inclusion, parabolic system, initial value problem, fixed point theorem, vector-valued norm.
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