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GLOBAL EXISTENCE FOR VOLTERRA-FREDHOLM FUNCTIONAL INTEGRODIFFERENTIAL EQUATIONS

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Abstract

In the present paper, we investigate the global existence of solutions of nonlinear mixed Volterra-Fredholm functional integrodifferential equations. The technique used in our analysis is based on an application of the topological transversality theorem known as Leray-Schauder alternative and rely on a priori bounds of solution.

Key Words and Phrases : Global solution, Volterra-Fredholm functional integrodifferential equation, Leray-Schauder alternative, priori bounds.

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