

TWO-POINT BOUNDARY VALUE PROBLEMS ASSOCIATED WITH NON-LINEAR FUZZY DIFFERENTIAL EQUATIONS

V. LAKSHMIKANTHAM, K. N. MURTY, AND J. TURNER

Abstract. This paper presents a criteria for the existence and uniqueness of solutions to two point boundary value problems associated with a second order non-linear fuzzy differential equations. The main tools employed are estimates on Green's function, Ascoli's Lemma and a fixed point theorem of Banach.

Mathematics subject classification (2000): 34A10, 26E50, 34B15.

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