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**Leray-Schauder degree method in functional boundary value problems depending on the parameter.** (English) [Zbl 0805.34053](#)  
*Math. Nachr.* 164, 333-344 (1993).

Summary: Using the Leray-Schauder degree method sufficient conditions for the one- parameter boundary value problem  $x'' = f(t, x, x', \lambda)$ ,  $\alpha(x) = A$ ,  $x(0) - x(1) = B$ ,  $x'(0) - x'(1) = C$ , are stated. The application is given for a class of functional boundary value problems for nonlinear third-order functional differential equations depending on the parameter.

**MSC:**

**34K10** Boundary value problems for functional-differential equations

Cited in 4 Documents

**34B15** Nonlinear boundary value problems for ordinary differential equations

**Keywords:**

Leray-Schauder degree method; one-parameter boundary value problem; functional boundary value problems; nonlinear third-order functional differential equations

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