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**Boundary value problems for second and higher order differential equations.** (English)

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The nonlinear alternative of Leray-Schauder and a priori bounds technique are used to obtain existence results on classical solutions for some second and fourth order boundary value problems. The results improve, extend and complement the existing theory.

Reviewer: [R.Precup \(Cluj-Napoca\)](#)

**MSC:**

[34B15](#) Nonlinear boundary value problems for ordinary differential equations

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nonlinear alternative of Leray-Schauder; a priori bounds technique; second and fourth order boundary value problems

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