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Existence of solutions for a multi-point boundary value problem with three dimension kernel at resonance. (English) [Zbl 1240.34060](#)

Chin. Q. J. Math. 26, No. 1, 138-143 (2011).

Summary: A multi-point boundary value problem for a third-order nonlinear differential equation is considered. Using the coincidence theorem due to Mawhin, an existence theorem is obtained.

MSC:

- [34B10](#) Nonlocal and multipoint boundary value problems for ordinary differential equations
- [34B15](#) Nonlinear boundary value problems for ordinary differential equations
- [47N20](#) Applications of operator theory to differential and integral equations

Cited in **1** Document

Keywords:

boundary value problems; coincidence degree theorem; existence theorem