

**Existence results of fourth order equations with
perturbed two-point boundary conditions**

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In this talk we establish the existence and multiplicity of positive solutions for a fourth-order boundary value problem. Integral perturbations of some kind of two-point boundary conditions are considered. After the construction of a Green's function and the study of its constant sign, it is defined a positive cone, where to apply the Krasnoselskii compression/expansion and Leggett-Williams fixed point theorems in cones. A generalization for a higher order case is also considered. Some particular examples are given.