THIRD ORDER BOUNDARY EIGENVALUE PROBLEMS

María del Mar González Nogueras Universidad Autónoma de Madrid

November 28, 2022

We consider two problems on third-order boundary operators: the first one arising when studying dynamic boundary conditions for a Cahn-Hilliard type equation; the second one associated to the fourth-order Paneitz operator in conformal geometry. We study the corresponding eigenvalue problems, showing, in particular, a bifurcation phenomenon in annular domains.