

Multiplicity of solutions to a nonlinear diffusion problem

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In this talk some results on global multiplicity of positive solutions to a bifurcation “reaction–diffusion” problem are going to be discussed. In such problem, diffusion is governed by the p -Laplacian meanwhile the reaction term carrying the bifurcation parameter λ , is located in the flux term on the boundary of the reference domain Ω . Research to be reported is part of a joint work with Prof. Sergio Segura de León.

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