1145-35-190   **Michail E Filippakis*** (`mfilip@unipi.gr`), University of Piraeus Research Center, 122 Gr, 18532 Piraeus, Greece, Greece. *Resonant (p, q)-equations with Robin boundary condition.*

In this paper we consider a nonlinear nonhomogeneous Robin problem. We consider the sum of a p-Laplacian and of q-Laplacian(a (p, q)-equation). The reaction term is a Caratheodory function which is resonant at $\pm\infty$ with respect to any nonprincipal variational eigenvalue of the Robin p-Laplacian. We use Morse theory (critical groups) and variational methods , in order to prove the existence of nontrivial smooth solutions.