1086-35-2615   **Michael E Filippakis*** (`mfilip@unipi.gr`), University of Piraeus, Department of Digital, Systems, 80 Karaoli and dimitriou Str.Piraeus, 18534, 18534 Piraeus, Greece, and **Nikolaos S Papageorgiou** (`npapg@math.ntua.gr`), Department of Mathematics, NTUA, Zografou Campus, Athens, Greece, 15780, 15780 athens, Greece. *Existence of Nodal solutions for Neumann nonlinear differential equations driven by p-Laplacian equations.* Preliminary report.

We consider Neumann nonliner differential equations driven by the p-Laplacian with a nonsmooth potential and we use techniques from Morse Theory and nonlinear analysis in order to proof the existence of nodal solutions.Our approach uses nonsmooth critical point thjeory , Morse Theory coupled with the method of upper and lower sloutions (Received September 25, 2012)