1056-35-2120   **Vasile Staicu*** (`vasile@ua.pt`), Department of Mathematics, University of Aveiro, Campus Universitario de Santiago, 3810-193 Aveiro, Portugal. *Multiple solutions for superlinear p-Laplacian Neumann problems.*

We consider a nonlinear Neumann problems driven by the p-Laplacian differentialoperator with a p-superlinear nonlinearity. Using minimax methods we show that the problem have five nontrivial smooth solutions, two positive, two negativeand the fifth nodal. In the semilinear case (p=2), using Morse theory, we produce a second nodal solution (for a total of six nontrivial smooth solutions). (Received September 23, 2009)