

QUASILINEAR PROBLEMS INVOLVING CHANGING SIGN  
NONLINEARITIES WITHOUT AMBROSETTI–RABINOWITZ TYPE  
CONDITION

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In this talk quasilinear elliptic boundary value equations without Ambrosetti and Rabinowitz growth condition are considered. Existence of a nontrivial solution result is established. For this, we show the existence of a Cerami's sequence by using a variant of the Mountain Pass Theorem due to Schechter. The novelty here is that we may consider nonlinearities which satisfy a local  $p$ -superlinear condition and may change sign as well. This is a joint work with Leonelo Iturriaga and Marco Aurelio Souto.