

Subcritical and supercritical Klein-Gordon-Maxwell equations without Ambrosetti-Rabinowitz condition

Patricia L. Cunha

(Submitted on 3 Jun 2012)

In this article we present some results on the existence of positive and ground state solutions for the nonlinear Klein-Gordon-Maxwell equations. We introduce a general nonlinearity with subcritical and supercritical growth which does not require the usual Ambrosetti-Rabinowitz condition. The proof is based on variational methods and perturbation arguments.

Subjects: **Analysis of PDEs (math.AP)**

MSC classes: 35J47, 35J50, 35B33

Cite as: **arXiv:1206.0495 [math.AP]**(or **arXiv:1206.0495v1 [math.AP]** for this version)

Submission history

From: Patricia Cunha [[view email](#)]

[v1] Sun, 3 Jun 2012 21:44:07 GMT (11kb)

[Which authors of this paper are endorsers?](#)

Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

math.AP

[< prev](#) | [next >](#)[new](#) | [recent](#) | [1206](#)

Change to browse by:

[math](#)

References & Citations

- [NASA ADS](#)

Bookmark (what is this?)

Science
WISE