

# Non-existence of ground states for a semilinear elliptic system of Lane-Emden-Fowler type

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## ABSTRACT.

We obtain sufficient conditions for the non-existence of positive radially symmetric solutions for a class of Lane, Emden and Fowler elliptic systems. In our result, the nonlinear term it was suggested by the work of [D. O'Regan and H. Wang, *Positive radial solutions for  $p$ -Laplacian systems*, *Aequationes Math.*, **75** (2008) 43–50].

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