

# Unique continuation principles for Lane-Emden systems

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In this talk we discuss some unique continuation results for systems of elliptic partial differential equations satisfying a suitable superlinearity condition. As an application, we obtain nonexistence of nontrivial radial solutions in the critical and supercritical regimes, for the Lane-Emden system posed in a ball.

Joint work with Ederson Moreira dos Santos (ICMC-USP) and Nicola Soave (Politecnico di Milano).