

Nonlinear boundary value problems involving the extrinsic mean curvature operator

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We survey some recent results on the existence and multiplicity of solutions of some nonlinear boundary value problems involving the extrinsic mean curvature operator

$$u \mapsto \nabla \cdot \left(\frac{\nabla u}{\sqrt{1 - \|\nabla u\|^2}} \right).$$

References

- [1] *C. Bereanu, P. Jebelean, J. Mawhin*: Multiple radial solutions at resonance for Neumann problems involving the mean extrinsic curvature operator. Proc. Workshop Nonlinear Partial Differential Equations, Joao Pessoa, 2012, to appear.