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Infinitely many weak solutions for a non-homogeneous Neumann problem in Orlicz–Sobolev spaces

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Abstract: Under a suitable oscillatory behavior either at infinity or at zero of the nonlinear term, the existence of infinitely many weak solutions for a non-homogeneous Neumann problem, in an appropriate Orlicz–Sobolev setting, is proved. The technical approach is based on variational methods.

Keywords: non-homogeneous Neumann problem; variational methods; Orlicz–Sobolev space

AMS Subject Classification: 35D05, 35J60, 35J20, 46N20, 58E05

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