Variational and Topological Methods for Differential Equations

Multiple bounded variation solutions for a prescribed mean curvature equation with Neumann boundary conditions

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We discuss an high multiplicity result for a one-dimensional mean curvature equation, with Neumann boundary conditions. Multiple positive solutions, in the BV sense, will be distinguished by their nodal properties, in a generalized sense. Joint work with Francesca Colasuonno (Bologna) and Colette De Coster (Valenciennes).

This is a submission for a contributed session