

# Symmetry Theorems and Uniform Rectifiability

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**Abstract:** In this talk we discuss very weak overdetermined boundary conditions for positive solutions to some elliptic partial differential equations of  $p$  Laplacian type in a bounded domain  $D$ . After a brief survey of related problems we outline recent work which shows these conditions imply uniform rectifiability of  $\partial D$  and also that they yield the solution to certain symmetry problems.