

Analysis of solution to an elliptic free boundary value problem equipped with a ‘bad’ data

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Abstract

We will study a free boundary value problem driven by a source term which is quite irregular. In the process, we will establish a monotonicity result, and the regularity of solutions to the free boundary value problem under consideration.

Keywords: Stratified Lie Group, Subelliptic operators, Marcinkiewicz space , Singular problem.

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