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A pointwise regularity theory for the two-obstacle problem

by

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Introduction

A detailed study of the boundary regularity for solutions of the Dirichlet problem in an open region D of $\mathbf{R}^N$, $N \geqslant 3$, was carried out by H. Lebesgue and others: this investigation culminated in the celebrated *Wiener criterion*. By relying on a fundamental notion of potential theory, namely that of *capacity* of an arbitrary subset of $\mathbf{R}^N$, N. Wiener was