

THE CLASSICAL MAXIMUM PRINCIPLE. SOME OF ITS EXTENSIONS AND APPLICATIONS.*

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Abstract

The intention of this paper is to survey some extensions (the P function method) and applications of the classical maximum principle for elliptic operators.

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keywords: maximum principle, P function method, higher order elliptic equations, plate theory.

1 Introduction

The intention of this paper is to survey some extensions (the P function method) and applications of the classical maximum principle for elliptic operators.

The maximum principle is one of the most useful and best known tools employed in the study of partial differential equations. The maximum principle enables us to obtain information about the uniqueness, approximation,

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