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MONOTONE ITERATIVE TECHNIQUES FOR PARABOLIC BOUNDARY VALUE PROBLEMS

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Abstract

Differential inequalities are extensively studied by various researchers since long. Now -a- days such study is well established part of differential equations. Differential inequalities play an important role in the study of qualitative theory of differential study of real world problems of practical interest. The notions of upper and lower solution are defined. Section 2, is devoted for monotone scheme. Applications are discussed in the last section 3.

Key Words: Positivity lemma, Monotone Iterative Technique, Upper and lower solution, Comparison Theorem.

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