

EXISTENCE AND UNIQUENESS OF WEAK SOLUTION FOR A GENERAL ANISOTROPIC DISCRETE DIRICHLET BOUNDARY VALUE PROBLEM

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Abstract

This paper deals with the existence and the uniqueness of weak solution where the Leray-Lions operator a depends on the weak solution u . The existence of solutions is obtained by using the critical point theory in a Hilbert space.

Keywords and phrases: anisotropic discrete boundary value problem, critical point theory, weak solution.

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