

FIXED POINT THEOREMS FOR A CLASS OF NONLINEAR OPERATORS IN RIESZ SPACES

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Abstract. In this paper, we study a class of nonlinear operator equations in Riesz spaces. By using the lattice structure and the partially ordered method, the existence and uniqueness of solutions for such equations are investigated without demanding the topological structure of the ordered vector space.

Key Words and Phrases: Riesz spaces, lattice structure, fixed point theorem.

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