

MINIMIZATION PRINCIPLE IN ORDERED BANACH SPACES AND APPLICATION VIA EKELAND'S VARIATIONAL PRINCIPLE

AMINA BOUCENNA, MABROUK BRIKI, TOUFIK MOUSSAOUI
AND DONAL O'REGAN

Abstract. In this paper we establish a minimization principle in an ordered Banach space (in particular in a Riesz-Banach space). As an application we discuss the existence of a positive solution for a boundary value problem on the half-line even when the nonlinear term is sign-changing.

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