THE ABSORPTION LAWS FOR THE GENERALIZED INVERSES IN RINGS∗

HONGWEI JIN† AND JULIO BENÍTEZ‡

Abstract. In this paper, it is given equivalent conditions for the absorption laws in terms of the Moore-Penrose, group, core inverse, core inverse dual, \{1\}, \{1,2\}, \{1,3\}, and \{1,4\} inverses in rings. The results given here extend the results of [X. Liu, H. Jin, and D.S. Cvetković-Ilić. The absorption laws for the generalized inverses. Appl. Math. Comp., 219:2053–2059, 2012].

Key words. Rings, Absorption law, Generalized inverses.

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†College of Mathematics and Econometrics, Hunan University, 410082, Changsha, P.R. China and Departamento de Matemática Aplicada, Instituto de Matemática Multidisciplinar, Universidad Politécnica de Valencia, Camino de Vera s/n, 46022, Valencia, Spain (hw-jin@hotmail.com).
‡Departamento de Matemática Aplicada, Instituto de Matemática Multidisciplinar, Universidad Politécnica de Valencia, Camino de Vera s/n, 46022, Valencia, Spain (jbenitez@mat.upv.es).