ON EP ELEMENTS, NORMAL ELEMENTS AND PARTIAL ISOMETRIES IN RINGS WITH INVOLUTION*

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Abstract. This is a continuation to the study of EP elements, normal elements and partial isometries in rings with involution. The aim of this paper is to give the negative solution to three conjectures on this subject. Moreover, some new characterizations of EP elements in rings with involution are presented.

Key words. EP elements, Moore-Penrose inverses, Group inverses, Partial isometries, Rings with involution.

AMS subject classifications. 16W10, 16U99.

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