

ON THE GROUP INVERSE OF LINEAR COMBINATIONS OF TWO GROUP INVERTIBLE MATRICES*

XIAOJI LIU[†], LINGLING WU[‡], AND JULIO BENÍTEZ[§]

Abstract. In this paper, some formulas are found for the group inverse of $aP+bQ$, where P and Q are two nonzero group invertible complex matrices satisfying certain conditions and a, b nonzero complex numbers.

Key words. Group inverse, Linear combination.

AMS subject classifications. 15A09, 15A57.

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[†]College of Mathematics and Computer Science, Guangxi University for Nationalities, Nanning 530006, P.R. China (xiaojiu72@yahoo.com.cn). Supported by the Guangxi Science Foundation (No. 0832084) and the Guangxi University Innovation Plan (No. gxun-chx2009092).

[‡]College of Mathematics and Computer Science, Guangxi University for Nationalities, Nanning 530006, P.R. China (wulingling-1982@163.com).

[§]Departamento de Matemática Aplicada, Instituto de Matemática Multidisciplinar, Universidad Politécnica de Valencia, Valencia, Spain (jbenitez@mat.upv.es). Supported by Spanish Project MTM2010-18539.