$$\boxed{\textbf{ELA}}$$

REPRESENTATIONS FOR THE DRAZIN INVERSE OF BOUNDED OPERATORS ON BANACH SPACE[*]

DRAGANA S. CVETKOVIĆ-ILIĆ[†] AND YIMIN WEI[‡]

Abstract. In this paper a representation is given for the Drazin inverse of a 2×2 operator matrix, extending to Banach spaces results of Hartwig, Li and Wei [SIAM J. Matrix Anal. Appl., 27 (2006) pp. 757–771]. Also, formulae are derived for the Drazin inverse of an operator matrix M under some new conditions.