

**SOME NEW PERTURBATION RESULTS ON LEFT AND RIGHT  
GENERALIZED DRAZIN INVERTIBLE OPERATORS**

SANAA MESSIRDI, SOFIANE MESSIRDI, BENDJEDID SADLI AND BEKKAI MESSIRDI

ABSTRACT. A bounded linear operator in a Banach space is called left (right) generalized Drazin invertible if 0 is not an accumulation point of its approximate point spectrum (surjectivity spectrum), it will be generalized Drazin invertible if it is both left and right generalized Drazin invertible. In this paper we investigate the stability of left generalized Drazin invertible operators, right generalized Drazin invertible operators and generalized Drazin invertible operators under quasinilpotent, power finite rank, compact and Riesz commuting perturbations. We also describe the largest open subset contained in the space of each of these three types of Drazin invertible operators.

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*Institut Supérieur Industriel de Promotion Sociale ISIPS-Hainaut  
Belgium  
E-mail address: [blahasanaa@yahoo.fr](mailto:blahasanaa@yahoo.fr)*

*University of Mostaganem  
Faculty of Sciences  
Department of Mathematics and Informatics  
Laboratory of Fundamental and Applicable Mathematics of Oran  
Algeria  
E-mail address: [messirdi.sofiane@hotmail.fr](mailto:messirdi.sofiane@hotmail.fr)*

*University Tahar Moulay of Saida  
Faculty of Sciences  
Department of Mathematics  
B.P. 138 Saida, Algeria  
E-mail address: [b.saadli@yahoo.fr](mailto:b.saadli@yahoo.fr)*

*High School of Electrical and Energetic Engineering-Oran  
Laboratory of Fundamental and Applicable Mathematics of Oran  
Algeria  
E-mail address: [bmessirdi@yahoo.fr](mailto:bmessirdi@yahoo.fr)*