

## ***q*-NUMERICAL RADIUS INEQUALITIES FOR PRODUCT OF COMPLEX LINEAR BOUNDED OPERATORS**

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**Abstract.** In this paper, we prove some  $q$ -numerical radius power inequalities for a product of operators on a complex Hilbert space. We introduce also the notion of the  $q$ -center for bounded operators, and we give the relationship between this  $q$ -center, the  $q$ -numerical radius and the center of the  $q$ -numerical range.

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