



Banach J. Math. Anal. 6 (2012), no. 2, 204–210

BANACH JOURNAL OF MATHEMATICAL ANALYSIS

ISSN: 1735-8787 (electronic)

www.emis.de/journals/BJMA/

OPERATOR INEQUALITIES AND NORMAL OPERATORS

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Communicated by F. Kittaneh

ABSTRACT. In the present paper, taking some advantages offered by the context of finite dimensional Hilbert spaces, we shall give a complete characterizations of certain distinguished classes of operators (self-adjoint, unitary reflection, normal) in terms of operator inequalities. These results extend previous characterizations obtained by the second author.

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Date: Received: 25 May 2012; Accepted: 10 June 2012.

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2010 *Mathematics Subject Classification.* Primary 47A30; Secondary 47A05, 47B15.

Key words and phrases. Moore–Penrose inverse, closed range operator, self-adjoint operator, unitary operator, normal operator, operator inequality.