Block projection operators in normed solid spaces of measurable operators

Bikchentaev A.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

We prove a Hermitian analog of the well-known operator triangle inequality for vonNeumann algebras. In the semifinite case we show that a block projection operator is a linear positive contraction on a wide class of solid spaces of Segal measurable operators. We describe some applications of the results. © 2012 Allerton Press, Inc.

Keywords