MULTILINEAR VARIANTS OF GROTHENDIECK’S COMPOSITION THEOREM

DUMITRU POPA

Abstract. In this paper we prove two multilinear variants of Grothendieck’s composition theorem. We give examples which show that other natural multilinear variants of Grothendieck’s composition theorem are not necessarily true. In addition we prove a new multilinear variant of Grothendieck’s composition theorem.


Keywords and phrases: p-summing, multilinear operators, multiple summing, Hilbert-Schmidt, nuclear operators.

REFERENCES