PROBABILITY
AND
MATHEMATICAL STATISTICS
Vol. 22, Fasc. 1 (2002), pp. 19–27

ON THE UNCONDITIONAL BUNDLE CONVERGENCE IN L_2-SPACE OVER A VON NEUMANN ALGEBRA

Adam Skalski

Abstract: The Tandori theorem concerning the sufficient condition for the unconditional a.e. convergence of orthogonal series is generalized for the bundle convergence in L_2-space over a σ-finite von Neumann algebra. The result implies a noncommutative version of the Orlicz theorem proved earlier by Hensz, Jajte and Paszkiewicz.

1991 AMS Mathematics Subject Classification: Primary 46L50, 60F1S; Secondary 42C15.

Key words and phrases: -