

GENERALIZED KHINTCHINE INEQUALITY IN REARRANGEMENT INVARIANT SPACES

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ABSTRACT. Necessary and sufficient conditions under which a generalized Khintchine inequality holds for arbitrary sequence of independent mean zero random variables from an rearrangement invariant space on $[0,1]$ will be discussed. Moreover, a description of the subspace of an r.i. space generated by Rademacher functions with independent vector coefficients will be presented.