

COMPARISON OF SUMS OF INDEPENDENT IDENTICALLY  
DISTRIBUTED RANDOM VECTORS

S. J. Montgomery-Smith

*Abstract:* Let  $S_k$  be the  $k$ -th partial sum of Banach space valued independent identically distributed random variables. In this paper, we compare the tail distribution of  $\|S_k\|$  with that of  $\|S_j\|$ , and deduce some tail distribution maximal inequalities.

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