

Year: 2007

Vol.: 70

Fasc.: 1-2

Title: Tail estimates and a random embedding of ℓ_p^n into $\ell_r^{(1+\varepsilon)n}$, $0 < r < p < 2$

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We compute tail estimates for certain sums of r -powers of truncated p -stable random variables ($0 < r < p < 2$). As an application we obtain, in the case $1 \leq r < p < 2$, an upper bound for $K > 1$ so that with “high probability” ℓ_p^n K -embeds into $\ell_r^{(1+\varepsilon)n}$.

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