$$P\Big(\Big\|\sum_{i=1}^{n} v_iY_i\Big\| > M + t\|(v_i)\|^{w}_{\mathcal{N},u}\Big) \le 2e^{-tu/72}.$$

Therefore integrating by parts gives

$$\Big\|\sum_{i=1}^{n} v_iY_i\Big\|_p \le M + 2\|(v_i)\|^{w}_{\mathcal{N},p} + \|(v_i)\|^{w}_{\mathcal{N},p}$$
$$\times\Big(\int_0^\infty pt^{p-1}P\Big(\Big\|\sum_{i=1}^{n} v_iY_i\Big\| > M + (2+t)\|(v_i)\|^{w}_{\mathcal{N},p}\Big)\,dt\Big)^{1/p}$$
$$\le M + \|(v_i)\|^{w}_{\mathcal{N},p}\Big(2 + \Big(\int_0^\infty 2pt^{p-1}e^{-tp/72}\,dt\Big)^{1/p}\Big)$$
$$= M + \|(v_i)\|^{w}_{\mathcal{N},p}\Big(2 + 72\Big(2\frac{\Gamma(p+1)}{p^p}\Big)^{1/p}\Big) \le M + 74\|(v_i)\|^{w}_{\mathcal{N},p}.$$

Since $M \le 2\|\sum_{i=1}^{n} v_iY_i\|_1$ the proof of inequality (1) is now complete.

Theorem 1 and the Paley–Zygmund inequalities as in [1] and [2] yield

COROLLARY 1. *There exist universal constants $0 < c < C < \infty$ such that under the assumptions of Theorem 1, for each $t > 0$,*

$$P(\|X\| > C(\|X\|_1 + \|(v_i)\|^{w}_{\mathcal{N},t})) \le e^{-t},$$
$$P(\|X\| > c(\|X\|_1 + \|(v_i)\|^{w}_{\mathcal{N},t})) \ge \min(c, e^{-t}).$$

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Correction to "An index formula for chains"

(Studia Math. 116 (1995), 283–294)

by

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In the proof of Theorem 9 the formula (9.3),

$$\begin{pmatrix} a \\ b \end{pmatrix} = \begin{pmatrix} a \\ b \end{pmatrix}\begin{pmatrix} a' & b' \end{pmatrix}\begin{pmatrix} a \\ b \end{pmatrix},$$
$$\begin{pmatrix} -b & a \end{pmatrix} = \begin{pmatrix} -b & a \end{pmatrix}\begin{pmatrix} -b'' \\ a'' \end{pmatrix}\begin{pmatrix} -b & a \end{pmatrix},$$

should read

$$\begin{pmatrix} a \\ b \end{pmatrix} = \begin{pmatrix} a \\ b \end{pmatrix}\begin{pmatrix} a' & (1-a'a)b' \end{pmatrix}\begin{pmatrix} a \\ b \end{pmatrix},$$
$$\begin{pmatrix} -b & a \end{pmatrix} = \begin{pmatrix} -b & a \end{pmatrix}\begin{pmatrix} -b'' \\ a''(1-bb'') \end{pmatrix}\begin{pmatrix} -b & a \end{pmatrix}.$$

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