

**CORRECTIONS TO “HAUSDORFF DIMENSION OF THE
CONTOURS
OF SYMMETRIC ADDITIVE LÉVY PROCESSES”**

DAVAR KHOSHNEVISAN, NARN-RUEIH SHIEH, AND YIMIN XIAO

The last portion of the proof of Theorem 3.2 (pp. 161–162) contains a deceptively subtle logical flaw. In summary, the proof only shows that certain events occur with positive probability, but from that we deduced that they occur almost surely. This alters the statements of our results a little. The requisite changes are listed below.

- (1.9) should be replaced by

$$\|\dim_{\mathbb{H}} \mathfrak{X}^{-1}(\{0\})\|_{L^\infty(\mathcal{P})} = \sup \left\{ q > 0 : \int_{[0,1]^N} \frac{\Phi(\mathbf{t})}{\|\mathbf{t}\|^q} d\mathbf{t} < \infty \right\}. \quad (1.9)$$

- (3.14) should be replaced by

$$\|\dim_{\mathbb{H}} (\mathfrak{X}^{-1}(\{0\}) \cap F)\|_{L^\infty(\mathcal{P})} = \sup \left\{ 0 < q < N : I_{\Phi}^{(q)}(\mu) < \infty \text{ for some } \mu \in \mathcal{P}(F) \right\}.$$

- The lower bound in (3.16) should be replaced by

$$\dim_{\mathbb{H}} F - \overline{\text{ind}}(\Phi) \leq \|\dim_{\mathbb{H}} (\mathfrak{X}^{-1}(\{0\}) \cap F)\|_{L^\infty(\mathcal{P})}.$$

- (3.24) should be replaced by

$$\|\dim_{\mathbb{H}} \mathfrak{X}^{-1}(\{0\})\|_{L^\infty(\mathcal{P})} = N - k(\boldsymbol{\alpha}) + \frac{\sum_{1 \leq j \leq k(\boldsymbol{\alpha})} \alpha_j - d}{\alpha_{k(\boldsymbol{\alpha})}}.$$

REFERENCES

- [1] Khoshnevisan, Davar, Narn-Rueih Shieh, and Yimin Xiao (2008). Hausdorff dimension of the contours of symmetric additive Lévy processes, *Probab. Theory and Rel. Fields* **140**, 129–167.

DEPARTMENT OF MATHEMATICS, THE UNIVERSITY OF UTAH, 155 S. 1400 E. SALT LAKE CITY, UT 84112-0090, USA

E-mail address: davar@math.utah.edu

URL: <http://www.math.utah.edu/~davar>

DEPARTMENT OF MATHEMATICS, NATIONAL TAIWAN UNIVERSITY, TAIPEI 10617, TAIWAN

E-mail address: shiehn@math.ntu.edu.tw

Date: XXXX.

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DEPARTMENT OF STATISTICS AND PROBABILITY, A-413 WELLS HALL, MICHIGAN STATE UNIVERSITY, EAST LANSING, MI 48824, USA

E-mail address: `xiao@stt.msu.edu`

URL: `http://www.stt.msu.edu/~xiaoyimi`