RANDOM POLYTOPES IN SMOOTH CONVEX BODIES: CORRIGENDUM

IMRE BÁRÁNY

There is an error in the proof of Theorem 2 of my paper [1]. It appears on page 91, lines 10 and 11: the application of the affine transformation T changes the measure on the Grassmannian $G(d, d-i)$ which is not taken into account. As a result, in the statement of Theorem 2 the coefficient is not correct.

The proper coefficient is given in the paper by Matthias Reitzner [2] in this volume. He gives, in fact, two proofs for computing the coefficient in question. I thank him for pointing out my mistake and correcting it.

The main result of my paper, Theorem 1, is not affected by this error since there $i = 0$ and the application of T does not change the measure. The paper by Schütt [3] contains a generalization of Theorem 1 of [1] with the same coefficient.

References

1. I. Bárány. Random polytopes in smooth convex bodies. *Mathematika*, **39** (1992), 81–92.
2. M. Reitzner. Stochastical approximation of smooth convex bodies. *Mathematika*, this volume.
3. C. Schütt. Random polytopes and affine surface area. *Math. Nach.*, **170** (1994), 227–249.

Professor I. Bárány,
Renyi Institute of Mathematics,
Hungarian Academy of Sciences,
POB 127, Budapest, 1364 Hungary
E-mail: barany@renyi.hu
and
Department of Mathematics,
University College London,
Gower Street, London WC1E 6BT, UK
E-mail: barany@math.ucl.ac.uk