R. Schneider, *Convex Bodies – The Brunn–Minkowsk Theory.* Second expanded edition. Encyclopedia of Mathematics and Its Applications **151**, Cambridge University Press, Cambridge, xxii+736 pp, 2014.

ERRATA (last update: December 29, 2021)

p. 57, line 14: Replace 'max' by 'sup'.

p. 82, Theorem 2.2.11(b): As Daniel Hug pointed out, it must still be proved that $N(K, x) + N(L, x)$ is closed. To prove this, we may assume that $x \in \mathrm{bd}\, K \cap \mathrm{bd}\, L$ and $\mathrm{aff}(K \cup L) = \mathbb{R}^n$. Let $a_i \in N(K, x)$, $b_i \in N(L, x)$ such that $a_i + b_i \to c$ as $i \to \infty$. If (a_i) is bounded, then also (b_i) is bounded, and both sequences have convergent subsequences, which gives $c \in N(K, x)+N(L, x)$. Suppose (a_i), (b_i) are both unbounded. Then we can assume that $a_i, b_i \neq o$ and hence $a_i = \lambda_i u_i$, $b_i = \mu_i v_i$ with unit vectors u_i, v_i and $\lambda_i, \mu_i \to \infty$. A subsequence of (u_i) converges to some $u \in N(K, x)$, and a subsequence of (v_i) converges to some $v \in N(L, x)$. The convergence $\lambda_i u_i + \mu_i v_i \to c$ implies that $u = -v$. But then K and L are separated by the hyperplane through x orthogonal to u, v, which contradicts Theorem 1.3.8.

p. 136, lines 10–11: The assertion saying that $P + \varepsilon B^n \in \mathcal{K}^n_r \setminus \mathcal{A}_k$, is not correct. Instead, the proof of Theorem 2.7.2 should use the original argument of Zamfirescu [2038].

p. 156, Proof of Theorem 3.2.1: Without loss of generality, assume $\dim K = n$.

p. 286, equation (5.33): The factor $\frac{1}{n}$ is missing on the right side.

p. 294, equation (5.43): The factor $\frac{1}{n}$ is missing on the right side.

p. 303, line -8: Replace E by $E^\perp$.

p. 317, line 5: Replace $\Psi_{r-1}(e_{i_1}, \dots, \check{e}_{i_k}, \dots, e_{i_r})$ by $\Psi_{r-1}(K)(e_{i_1}, \dots, \check{e}_{i_k}, \dots, e_{i_r})$.

p. 318: In lines 8, 9, 10, ϕ_j must be replaced by Λ_j.

p. 319, line -13: Replace 'Note 7' by 'Note 9'.

p. 344, line -2: Replace φ by $\overline{\varphi}$.

p. 345, line -6: Replace φ by $\overline{\varphi}$.

p. 346, line 4: Replace 'Theorem 6.3.4' by 'Theorem 6.3.1'.

p. 351, line 13: Replace $\mathbb{R}^n$ by $\mathbb{R}$.

p. 357: In lines 4, -9, -3,

$$\int_{\mathbb{S}^{n-1}} \quad \text{must be replaced by} \quad \int_{\mathbb{S}^{n-1}} \dots \int_{\mathbb{S}^{n-1}} \ (m \text{ integrals}).$$

p. 401, lines -10, -11: Replace 'Minkowski's inequality (7.18)' by 'the Aleksandrov–Fenchel inequality (7.54)'.

p. 459, line -11: Replace 'Theorem 9.1.4' by 'Theorem 9.2.1'.

p. 501, line -2: Replace K by K_j.

p. 539, after Theorem 10.3.5: The reference to Pfiefer [1532] is misleading, since Pfiefer considers different ranges of the parameters.

p. 569, l. 11: Reference [1511] must be replaced by the following one, which is missing in the bibliography:

Paouris, G., Pivovarov, P., A probabilistic take on isoperimetric-type inequalities. *Adv. Math.* **230** (2012), 1402–1422.

p. 575, line -9: The assumption $\phi(0) = 0$ must be added.

p. 578, first line of Note 7: Replace [1698] by [1697].

p. 646, reference [415]: Replace (2911) by (2011).

p. 675, reference [1119]: Insert (1981).

p. 698, reference [1699]: Replace (19983) by (1983).

p. 710, reference [1992]: Replace (2001) by (1901).

Updates of references

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