

ERRATA

- p. 18, Theorem 1.5.1:
 - in the definition of $g_\alpha(\theta_1)$, below (1.5.6.), replace $\sin \alpha_{d-1}\theta_1$ by $\sin(\alpha_{d-1} + 1)\theta_1$.
 - $|\alpha^j| = \alpha_j + \dots + \alpha_d$.
 - replace $[h_\alpha]^2$ by $[h_\alpha]^{-2}$ in the displayed formula.
 - a similar change in Proposition 7.1.7, p. 158.
- p. 19, line 2, replace the second $\rho^{\alpha_{d-1}} \cos \alpha_{d-1}\theta_1$ by $\rho^{\alpha_{d-1}} \sin \alpha_{d-1}\theta_1$.
- p. 31, in Equation (2.1.6), replace $(\sin \theta)^{d-1}$ by $(\sin \theta)^{d-2}$.
- p. 43, line 8, replace $T_\theta(-x) = T_{\pi-\theta}(x)$ by $T_\theta f(-x) = T_{\pi-\theta} f(x)$.
- p. 160, in (7.1.14), replace $-n(n + \lambda_\kappa)$ by $-n(n + 2\lambda_\kappa)$.
- p. 195, p. 7, replace $F_i(x) \leq cn^\alpha - 2_i$ by $F_i(x) \leq cn^{\alpha-2\kappa_i} \dots$
- p. 411, line -3, $\forall x \in \mathbb{S}^{d-1}$ should be $\forall z \in \mathbb{S}^{d-1}$.
- p. 415, line -4, the definition of the hypergeometric function is missing:

$${}_2F_1 \left(\begin{matrix} a & b \\ c \end{matrix} ; z \right) = \sum_{n=0}^{\infty} \frac{(a)_n (b)_n}{(c)_n} \frac{z^n}{n!}.$$

- p. 416, line $2h_n^{\alpha,\beta}$ should be $h_n^{(\alpha,\beta)}$.
- p. 417, line 6 and line -9, $h_j^{\alpha,\beta}$ should be $h_j^{(\alpha,\beta)}$
- p. 419, line 4, replace n by $n + 1$ in the left-hand side of (B.2.7), so that it is

$$(n + \lambda + 1)C_{n+1}^\lambda(x) = \lambda (C_{n+1}^{\lambda+1}(x) - C_{n-1}^{\lambda+1}(x))$$

- p. 421, line -3, “ $R_k^{(\alpha,\beta)} \alpha \geq$ ” should be “ $R_k^{(\alpha,\beta)}$ for $\alpha, \beta \geq -\frac{1}{2}$ ”.
- p. 423, line -11, “B.5.9” should be “(B.5.9)”.
- p. 420, in the first displayed equation in Section B.3, replace $\nu_{\lambda,\mu}(x) = |x|^{2\lambda}(1 - x^2)^{\mu-\frac{1}{2}}$ with

$$\nu_{\lambda,\mu}(x) = |x|^{2\mu}(1 - x^2)^{\lambda-\frac{1}{2}}.$$