

Errata on *Orthogonal Polynomials of Several Variables*

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- p. 1, line 6, replace “thet” by “the”;
- p. 19, line 10, replace the power $i - j$ by $j - i$;
- p. 24, the right hand side of (1.5.1) should be $[f(1) + f(-1)]/2$;
- p. 31, line 12, add $\#$ between the = sign and the bracket $\{$;
- p. 32, line 9, replace $x^\alpha \succ_{\text{glex}} x^\beta$ by $\alpha \succ_{\text{glex}} \beta$;
- p. 34, line 2-, replace the number 3 in $(d - m - 3 + 2n - 2j)$ by 1;
- p. 35, line 2, replace m by $d - m$;
- p. 38, line 1-, replace $S_{n-2j,\beta}$ by $S_{\beta,n-2j}$;
- p. 39, line 11, replace $S_{\gamma,n-2j}$ by $S_{\gamma,m-2j}$; line 2-, change $.$ to $,$ and add $\alpha^{d+1} = 0$;
- p. 41, line 4, replace \mathbb{R}^d by B^d ; line 15, replace μ by β (twice);
line 3-, replace $i \geq 2$ by $1 \leq i \leq d - 1$;
- p. 43, line 1-, left hand side, $(2\mu + 2j)_{2i}$ should be $(2\mu + 2j)_i$;
- p. 46, line 9, replace $|x_{d+1}|$ by $|x|_1$; line 4-, replace $\frac{d-1}{2}$ by $\frac{d+1}{2}$;
- p. 47, line 4, replace the exponent $2|\alpha^{j+1}|$ by $|\alpha^{j+1}|$;
line 5, replace $[h_\alpha^T]^2$ by $[h_\alpha^T]^{-2}$, and $(|\kappa| + \frac{d+1}{2})_{|\alpha|}$ by $(|\kappa| + \frac{d+1}{2})_{2|\alpha|}$;
line 13 and 14, all subindex i should be j (3 times);
- p. 48, line 2-, $\kappa_j = 0$ should be $\kappa_j = 1/2$;
- p. 50, line 6- and 7-, replace L_{2j} by L_j (twice);
- p. 52, line 9-, replace $(x_1 - x_i)$ by $(x_1 - x_j)$;
- p. 55, line 1, replace W by *the weight function*.
- p. 84, line 2-, replace $u = Tx + a$ by $x = Tu + a$;
- p. 85, line 6-, replace $B_{n,i} : (n + 1) \times n$ by $B_{n,i} : (n + 1) \times (n + 1)$;
- p. 89, last line of (3.3.2), replace $B_{k,i}B_{k,j}$ by $B_{k,j}B_{k,i}$;
- p. 108, line 11-, replace $A_{n+1,i}$ by $A_{n,i}$ (twice);
- p. 110, line 6, every term in this line should be squared; line 7, P_k should be \mathbb{P}_k ;
- p. 112, second line in Theorem 3.5.9, x^n should be \mathbf{x}^n ;
- p. 117, 14-, \geq should be \leq ;
- p. 121, in (3.7.3), replace I_n by L_n , and replace K_n by \mathbf{K}_n ;
- p. 123, replace *definite* by *centrally symmetric*;
- p. 130, line 3-, replace $\alpha^{(i)}$ by $a_\alpha^{(i)}$;
- p. 134, line 10-, replace S^{m-1} by S^m ;
- p. 142, line 4 -, replace $i > j$ by $i < j$;
- p. 145, line 6, omit > 0 ;
- p. 146, last line of section 4.2.7, add G_2 ;
- p. 159, line 15, replace \mathcal{QW} by \mathcal{KW} ;
- p. 160, line 8, replace $q_i(s; w)$ by $q_i(w; s)$; line 8-, add w before the second equal sign;
- p. 163, line 2, move the bracket $)$ to the place just before $+$ sign;
- p. 171, Theorem 4.7.9, line 1, change $n \geq 1$ into $n \geq 0$;
- p. 177, line 2-, replace \mathcal{H}_j^{d+1} by \mathcal{H}_j^d ;
- p. 181, line 13, replace f by P ;
- p. 184, line 8-, delete the last $h_\kappa^2(x)$ (so the line ends with $\dots x_i]dx$),

- line 1–, replace the index $c \in R_+$ of the summation by $v \in R_+$.
- p. 187, line 5, replace $q_{n-2j}(\|x\|)$ by $q_{n-2j}(x)$;
- p. 188, line 5, delete the word “is”; line 6, replace n by m ;
- p. 193, line 2– and p. 194, line 3– and 4–, W_γ^B should be $W_{\gamma-1/2}^B$;
- p. 194, line 11 and 12, add the term $\int_{S^{d-1}} V(\|\cdot\|^{2j}) h_\kappa^2 d\omega$ at the end of each line.
- p. 195, line 5–, add r^{d-1} between two integral signs (as in line 4–);
- p. 197, line 5–, change h_κ to $h_\kappa(x_1, x_2)$;
- p. 198, line 5, exchange κ_1 and κ_2 (twice);
line 15, move the right square bracket] to the position before $Y_{\alpha_{d-1}}^i$;
- p. 199, line 8 and line 4–, remove $(-1)^j$; line 2–, replace $|\kappa|_1 + 2$ by $|\kappa|_1 - 2$;
- p. 200, line 12–, replace $[A_\alpha^n]^{-2}$ by $[A_\alpha^n]^2$, change κ_2 to κ_d , and change κ_1 to κ_{d-1} ;
- p. 203, line 1–, insert c'_h in front of the integral;
- p. 204, line 7, insert c'_h in front of the integral; line 8, replace $f(y)$ by $|f(x) - f(y)|$;
- p. 213, line 11–, replace I_{2m} by I_{2k} ; line 10–, replace $k = m$ by $m = 2k$;
line 9–; delete 2 in $2m - 1$;
- p. 214, line 6, replace $\cos \theta$ by $\cos m\theta$; line 7–, replace ϕ by ϕ_n (twice);
line 2–, replace $z\bar{w}$ by $\bar{z}w$; line 2– and line 1–, replace I_k by I_{2k} (3 times);
- p. 215, line 3, the line should read $P(I_2; z, w) = (1 - |zw|^2) \times$;
line 11, replace $z\bar{w}$ by $\bar{z}w$; line 5–, replace the numerator 1 by $1 - |zw|^2$;
- p. 216, line 8– and 7–, replace $d\mu$ by dx (twice);
- p. 220, line 6–, replace $F_0(r)$ by $F_0(s)$ and insert $s^{-\gamma - \frac{d-2}{2}}$ in front of the integral;
- p. 231, line 9, replace $S_{n-2k, \beta}^h$ by $S_{\beta, n-2k}^h$;
- p. 234, line 5, replace $\mu + (d-1)/2$ by $\mu + \gamma_\kappa + (d-1)/2$; line 4–, replace γ_k by γ_κ ;
- p. 237, first line of the proof, replace *polynomial* by *basis*;
- p. 238, line 13, replace $\mathcal{V}_{2n}(W^B; \mathbb{Z}_2^d)$ by $\mathcal{H}_{2n}^d(H; \mathbb{Z}_2^{d+1})$; line 3–, replace T^d by S^d ;
- p. 241, line 9–, delete one *basis*;
- p. 243, line 9–, delete $(1 + t_i)$;
- p. 250, line 1–, replace $W_{\kappa, \mu}^L$ by W_κ^L in the right hand side;
- p. 258, line 12, replace $k_1 = 1$ and $k_d = 1$ by $k_1 = 0$ and $k_d = 0$, respectively;
- p. 259, line 4, replace $\sim n^d$ by $\sim n^{-d}$;
- p. 263, line 7–, insert $f(t)$ in the integral sign;
- p. 267, line 3–, add C in front of the second integral sign;
- p. 269, line 7–, replace $(1 - \|x\|^2)$ by $(1 - \|y\|^2)$;
- p. 271. line 13–, replace $|y|$ by $\|y\|$;
- p. 272. line 7–, lines 7-, 2- and 1-, replace P by \mathbf{P} (4 times);
- p. 273. line 1, replace $\|x'\|$ by $|x'|_1$; line 6, replace P by \mathbf{P} ;
- p. 275. line 6, replace r^2 by r ;
- p. 279, line 6, replace $|y|$ by $\|y\|$; line 9, replace \mathbf{x} by x (twice);
- p. 315, line 6, replace this line by

$$= \int_{\mathbb{T}^d} \left(x_i f \frac{\partial}{\partial x_i} g^*(x) - f \left(x_i \frac{\partial g}{\partial x_i} \right)^* + x_i f g^* \kappa \frac{1}{k} \frac{\partial k}{\partial x_i} \right) k^\kappa dm(x)$$

- p. 366, line 11, replace + sign by – sign; line 5–, replace – sign by +;
- p. 367, line 1–, replace + sign by – sign.

p. 386, delete line 2;