

ERRATA TO VOLUME 104

A. Siegel. *Summability C of series of surface spherical harmonics*, pp. 284–307.

Page 284, Line 16. Replace was with were.

Line 18. Replace were with was.

Line 27. Replace $F(Q)$ with $f(Q)$.

Page 288, Line 12. Replace $\sum_{k=0}^j \cos(j+1/2)t$ with $\sum_{k=0}^j \cos(k+1/2)t$.

Page 289, Line 5. Replace $\sum_{j=0}^{\infty} |\gamma_j^{(\alpha-1-1)}|$ with $\sum_{j=0}^{\infty} |\gamma_j^{(\alpha-s-1)}|$.

Page 290, Line 18. Replace $\theta\beta$ with θ^β .

Page 291, Line 13. Replace $1/2^{(\beta-1)}$ with $1/2(\beta-1)$.

Page 292, Line 12 should read

$$(4.7.1) \quad \int_{1/n}^{\eta} \sum_{j=1}^s \frac{n^{-j}}{\theta^{j+h+1}} \sin^{(2r+1)} \theta d\theta < K \text{ where } 1/n \leq \eta \leq 1.$$

Lines 16, 18, 20. Replace π with η where $1/n \leq \eta \leq 1$.

Page 293, Line 3. Replace $\sin^{(2r+1)}$ with $\sin^{(2r+1)} \theta$. Replace $\int_{1/n}^1$ with $\int_{1/n}^{\eta}$.

Line 7. Replace

$$\int_{1/n}^{\pi} \frac{d\theta}{s-2r} \text{ with } \int_{1/n}^{\eta} \frac{d\theta}{\theta^s - 2r}.$$

Line 15. Replace $\pi/2$ with 1.

Page 294, Line 15. Insert + between

$$\frac{n^{2k+1}}{t^{\alpha+1}} \text{ and } \frac{n^{(\alpha-s+2k+1)}}{t^{s+1}}.$$

Line 18. Insert (4.8.4) in left margin.

Page 295, Line 5. Replace $\eta \leq 2$ with $\eta \leq 1$.

Page 296, Line 17. Replace h with θ .

Line 21. Replace $\pi/2$ with 1.

Page 300, Line 19. Replace $\Delta_0 P_n$ with $\Delta_0^{(1)} P_n$.

Page 302, Line 3. Replace $[1/(1-\cos h)]^{1/2}$ with $[1/(1-\cos h)^{1/2}]$.

Lines 5, 8, 13, 23. Replace [] with { }.

Line 7. Insert the following before “Assuming that ...”: The case $r = 1$ follows easily also since

$$\frac{\Delta P_n(\cos h)}{(1-\cos h)} = \frac{2}{(n+1)} \sum_{j=0}^n (j+1/2) P_j(\cos h)$$

and therefore

$$\left| \frac{\Delta P_n(\cos h)}{(1 - \cos h)} \right| \leq \frac{2}{(n+1)} \sum_{j=0}^n (j+1/2) = O(n).$$

Line 8. Replace $m = 0, 1, \dots, k$, with $m = 0, 1, \dots, k; k \geq 1$.

Line 21. Replace line 21 with

$$O \left\{ n \sum_{j=0}^{k-1} \binom{k-1}{j} \left(\frac{(1 - \cos h)^{(j+1)/2}}{n^{k-1-j}} + \frac{(1 - \cos h)^{j/2}}{n^{k-j}} \right) \right\}.$$

Page 304, Line 7. Replace (5.1.14) with (5.1.13).

Line 8. Replace (5.1.15) with (5.1.14).

Line 19. Replace $R_n(\cos h)$ with $R'_n(\cos h)$.

Page 305, Line 4. Replace \triangle^j with $\triangle^{(\alpha+1)}$.

Page 306, Line 1. Replace Δ'_0 with $\Delta_0^{(r)}$.

Page 307, Line 22. After New York, insert first edition.