ERRATA to
"FOURIER ANALYSIS AND ITS APPLICATIONS"

(4th and later printings by Brooks/Cole and
all printings by the American Mathematical Society)

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Last updated January 26, 2009

Additional corrections will be gratefully received at `folland@math.washington.edu` .

Page 31, bottom: Insert the following material that somehow got deleted: "shall present some variations of this result under other conditions on f. We first define the class of functions with which we shall be working."

Page 33, line -3: $\int_{-\pi+\theta}^{\pi+\theta}$ $\to$ $\int_{-\pi-\theta}^{\pi-\theta}$

Page 44, line 5: extiensions $\to$ extensions

Page 61, Exercise 1a: (2.10) $\to$ (2.12)

Page 61, Exercise 1b: (2.12) $\to$ (2.14)

Page 65, formula (3.9): $|a_n\|^2$ $\to$ $\|a_n\|^2$

Page 76, line 3 of proof of Lemma 3.2: $\sum_m^n$ $\to$ $\sum_M^N$ (two places, to avoid conflict with use of n as index of summation)

Page 90, last line of Theorem 3.10: $\langle f, \phi_n\rangle$ $\to$ $\langle f, \phi_n\rangle_w$

Page 90, line -8: $\langle f_1, \widetilde{f}_2\rangle$ $\to$ $\langle f_1, \widetilde{f}_2\rangle_w$

Page 114, Exercise 8a, line 2: (2.24) $\to$ (2.27)

Page 151, line 5: §4.4 $\to$ §4.5

Page 176, formula (6.21): $+m^2y$ $\to$ $-m^2y$ and x $\to$ s

Page 179, formula (6.26): $P_n^{|m|}(\phi)$ $\to$ $P_n^{|m|}(\cos\phi)$

Page 190, lines -8 and -7: Delete "it defines a polynomial of degree n only when α is not a negative integer, and".

Page 190 line -1: $k+1-\alpha$ $\to$ $k+1+\alpha$

Page 197, line -12: $\nu^2 y$ $\to$ $+n^2y$

Page 206, line 3 of (v): §8.1 $\to$ §8.2

Page 213, Exercise 6: defining f_{t+s} $\to$ defining $f_t * f_s$

Page 214, line -2: $i(d/d\xi)e^{-i\xi}$ $\to$ $i(d/d\xi)e^{-i\xi x}$

Page 216, next-to-last displayed formula: $\mathrm{Res}_{z=i}$ $\to$ $\mathrm{Res}_{z=ia}$

Page 222, line 1: 2.7 of §2.4 $\to$ 3.6 of §3.4

Page 224, Exercise 7, line 3: Theorem 2.3 $\to$ Theorem 2.5

Page 233, last displayed formula: $\Delta_0\widehat{f}$ $\to$ $\Delta_0\widehat{F}$

Page 236, line 2 of Exercise 10: $f' + cf = 0$ $\to$ $f'(x) + cxf(x) = 0$

Page 242, line -1: $\lim_{\delta\to 0}$ $\to$ $\lim_{\epsilon\to 0}$

Page 279, formula (8.18): $\alpha\beta \neq 0$ $\to$ $(\alpha,\beta) \neq (0,0)$

Page 286, Exercise 9c, line 1: period $2l$ $\to$ period $4l/c$

Page 327, line -2: $1-t$ $\to$ $2\pi - t$ (2 places in exponents)

Page 328, line 3: $1-t$ $\to$ $2\pi - t$

Page 333 (starting below formula (9.27)) and page 334: $\widehat{f}$ $\to$ $\widehat{F}$ (numerous places!)

Page 354, Example 1, line 1: complex $\to$ nonzero

Page 355, line 4: $(\alpha\alpha' \neq 0,\ \beta\beta' \neq 0)$ $\to$ $((\alpha,\alpha') \neq (0,0),\ (\beta,\beta') \neq (0,0))$

Page 371, formula (10.32) v_a (in the integral) $\to$ v_b

Page 379, formula (10.35): $xu(x)$ $\to$ $xu'(x)$

Page 381, first line after second displayed formula: $1/\mu\sqrt{x_-x_+}$ $\to$ $1/|\mu|\sqrt{x_-x_+}$

Page 415: Answer to Exercise 3 in §3.2 should be $f_2(x) = x^2 - \frac{1}{3}$.

Page 422, Answer to Exercise 9b in §7.4: $e^{-\nu b}$ $\to$ $e^{-\nu\beta}$ (six places)

Page 429, top line, second column: T $\to$ Γ