Errata to
A COURSE IN ABSTRACT HARMONIC ANALYSIS
(2nd edition, 2015)
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“line −n” means “line n from the bottom.”

The following four items will be corrected in the second printing.

Page 122, line 1: The end-of-proof sign at the end of this line should be at the bottom of the preceding page.
Page 259, Figure 7.1: r+ and r− should be ρh and ρ−h, respectively.
Page 261, Figure 7.2: p+, p0, and p− should be π+, π0, and π−, respectively.
Page 266, Figure 7.3: p+, p−, d1−, d2−, and dnn should be πit+, πit−, δ1, δ2, and δn, respectively.

Page 65, line 2: supp f = ∪a Va ⊂ ∪a Va → supp f = ∪a Va
Page 72, line −8: 88 → 89
Page 85: Replace the 2-line display in the middle of the page following the word “Moreover,” by
\[ \int \langle \pi(y)\epsilon, \epsilon \rangle f(y) dy = \langle \pi(f)\epsilon, \epsilon \rangle = \langle \tilde{f}, \epsilon \rangle = \int f(y)\phi(y) dy. \]
Page 99, 2nd paragraph of Example, line 6: nonnegative → positive
Page 99, 2nd paragraph of Example, line 8: Before “From”, insert “Also, w0 = r0 = 1.”
Page 123, Lemma 4.66: subsets → closed subsets
Page 124, line 11: Delete = ν(J) ∩ ∂ν(f) ∩ ν(fn) = ν(J) ∩ ∂ν(f) and replace the last = by ⊂.
Page 130, line 1: We have → For f ∈ L^1(G) we have
Page 131, proof of Theorem 4.81: (i), (ii), and (iii) should be (a), (b), and (c).
Page 148, Theorem 5.26, line 2: dπ → dπ−1
Page 148, last two lines: The dπ should be deleted, and the two instances of dπ should each be dπ.
Page 149, Section 5.4, line 3: SO(3) and → SO(3), SO(4), and
Page 158, line −4: translation → multiplication
Page 168, lines 1–2: $\mathcal{F}_0 \rightarrow \mathcal{F}^0$ (two places); also, delete “and is left uniformly continuous on $G$.”

Page 170, proof of Proposition 6.8, 2nd paragraph: In the first sentence, replace $\sup_{x \in G} \| f_\alpha(x) \|_\sigma$ by $\| f_\alpha \|$. Replace the second and third sentences by “Since $\| f_\alpha \|$ is given by (6.6), where $\phi$ can be taken to be supported in a fixed compact neighborhood $N$ of $K$, it is enough to show $\| f_\alpha(x) \|_\sigma \leq C \sup_{y \in G} \| \alpha(y) \|_\sigma$ for $x \in N$. This is true since the integration over $H$ in (6.5) is effectively over the compact set $H \cap N^{-1}K$ for $x \in N$.”

Page 201, line 6: Insert “with $x \in H$” after “$\nu' = x\nu$”.

Page 227, line -9: $\mathcal{H}^\infty \rightarrow \mathcal{H}_\infty$

Page 246, line -8: $\mu \rightarrow \mu_0$ (2 places)

Page 279, lines 5–6 of Section 3: The clause “one is . . . $V_1$” is a correct characterization of $V_1 \otimes V_2$ only when $\dim V_2 < \infty$. This has no effect on the following material.