# Fourier Analysis, E.M.Stein and Sharkarchi

# Errata Sheet

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The publisher (Princeton University Press) provides an errata sheet on its website, but there may be other errata. I put my discovery here, it's not official. If you find any error in this file, please send me the email (d04221001@ntu.edu.tw). It's really helpful for me. Thanks!!

Page 70 line 4, even tough → even though.

Page 95 Problem 1(a), sign$(x)$ → sign$(n)$ (twice) and $\widetilde{D}_N = i\frac{\cos(x/2)-\cos(N+\frac{1}{2})x}{\sin(x/2)}$.

Page 98 Problem 4(d), the formula is of course for $0 < x < \pi$.

Page 116 line -1, $F'(t) \to F'_N(t)$.

Page 125 line -6 of Problem 1, after checking the details in Pfluger's paper, I think the condition $\int_0^\pi e^{ix} r(x)\,dx = 0$ is actually needed (also appears in the reference [3] of that paper).

Page 165 line -3, that is, that the → that is, the.

Page 170 line -5, the second $\hat{f}_0$ should be $\hat{f}_1$.

Page 171 Problem 4(b) $a > 0 \to a > 1$ so that in (c) we have $\frac{2a}{a-1} > 0$.

Page 208 Exercise 2(b), add the words "in $\mathbb{R}^2$" in the end to make the meaning of rotation more clear.

Page 216 Problem 5, $f(x+ty) \to h(x+ty)$.

Page 239 Exercise 13(b), delete the sentence "if $e$ is a character on $G$, then"

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