

Functional Analysis, E.M.Stein and Sharkarchi

Errata Sheet

Yung-Hsiang Huang*

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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, its not official. If you find any error in this file, please send me the email (d04221001@ntu.edu.tw). Its really helpful for me. Thanks!!

Page 38 line -9 $\mathbb{R} \rightarrow \mathbb{R}^d$.

Page 40 exercise 23, I think we should assume $\Phi \not\equiv 0$. Moreover, I think the hint is wrong, since we can take $\Phi(x) = x^2$. The most important thing is to observe $\Phi(x) \rightarrow \infty$ as $x \rightarrow \infty$.

Page 359 line -15, $|u|^\lambda \rightarrow |u|^{\lambda+1}$.

Page 401 Ex.12, $\frac{1}{(4\pi it)^d} e^{-\frac{i|x|^2}{4t}} \rightarrow \frac{1}{(4\pi it)^{d/2}} e^{\frac{i|x|^2}{4t}}, i^{-d} m_t \widehat{f m_t} \rightarrow i^{d/2} m_t \widehat{m_t f}$.

Page 401 Ex.15, $|u|^\lambda \rightarrow |u|^{\lambda+1}$.

Page 416 [49], 1978 \rightarrow 1989.

*Department of Math., National Taiwan University. Email: d04221001@ntu.edu.tw