

Erratum

April 9, 2015

This document is being updated. If you find any errors/typos in the notes, please let me know.

Fourier transform

1. Page 1. Statement of Lemma 1: should be $f_y(x) = f(x - y)$.
2. Page 3. Proof of Theorem 3: in both formulas, the left hand sides should be $e^{2\pi i\xi \cdot x}$ (remove the minus signs).

Heat and wave equations

1. Page 2. Near the top: it should be $e^{-4\pi^2 n^2 t} \rightarrow 1$ as $t \rightarrow 0$, **not** the other way around.
2. Page 3. In the second paragraph, should be $n \rightarrow +\infty$ instead of 0.