

Words from Professor II (November 11, 2014) Chapter 3 has been finalized. There are no essential changes. Two points are worth mentioning:

- Weierstrass approximation theorem, Stone-Weierstrass theorem and Proposition 3.7 are now placed as optional materials. They will not be included in the final examination.
- In the statement of Baire category theorem, the term "nowhere dense" is corrected to "contains no interior". I thank Chan Kwun Tat for pointing this out.

If you don't bother much by typos and polish, you only need to make corrections on these pages.