

# Tech Tools in Functional Analysis

—A Note of My Functional Analysis Course

Buce-Ithon

4<sup>th</sup> January, 2025

## Contents

1	Introduction	3
2	2 Important Inequality-Schwartz and Minkowski	3

## 1 Introduction

This article is for recording my thoughts and notes in Functional Analysis Course. Most of them are content that I personally think is important. Hope it's helpful for you:).

## 2 2 Important Inequalities-Schwartz and Minkowski

In 1st section, I want to introduce 2 important inequalities - also conclusion or tech tools - because they are common and useful in much proofs of propositions in my textbook. Besides, there are not unique method to prove this 2 inequalities, so I'll choose the most brief and elegant ones to show.