

Analysis Notes

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Chapter 1

Measure Theory

1.1 Preliminaries

Note: Understand the analogy between measuring "volume" and the concept of this section.

Note: Every open set in \mathbb{R} is a countable union of disjoint open intervals. Every open set in \mathbb{R}^d , $d \geq 2$, is almost the disjoint union of closed cubes. Almost means that only the boundaries of the cubes can overlap.

Point