

Analysis

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Limit

Chapter 1

Nature Number and Base

Chapter 2

Series

In this part, we will discuss about condensation test of series.

Condensation test means: for any $a, b > 0$, if f is a monotonic decreasing and non-negative function on $(a, +\infty)$, then the series

$$\sum_{n=a}^{\infty} f(n) \text{ and } \sum_{n=a}^{\infty} b^n f(b^n) \quad (2.1)$$

will have same convergency.

Part II

Multi Variable Analysis

Chapter 3

topology

We will skip concepts and turn to use of topology, especially on spaces. on a topo space $\{X\}$,