

Chapter 2 Notes

2.2 First Construction of Brownian Motion

- A. The consistency theorem
- B. The Kolmogorov-Centsov theorem

2.3 Second Construction of Brownian Motion

2.4 The Space $C[0, \infty)$, Weak Convergence and Wiener Measure

- A. Weak Convergence
- B. Tightness
- C. Convergence of finite-dimensional distributions
- D. The invariance principle and the Wiener measure

2.5 The Markov Property