

Notes for the 1st Midterm

1. Sample problems for the 1st quiz are suggested to review again.
2. As similar to the Poisson process, examine the statistical properties of a process that is defined without using the probability space
3. Fundamental Theorem, Theorem 9-2 and Theorem 9-4 as well as Example 9-22
4. Various equality in the MS sense
5. The lemma on Slide 10-2 and its proof
6. Four observations on Slides 10-7 and 10-8, in particular Observation 4
7. Rice representation and the operational meaning of Hilbert transform
8. Frequency Modulation and Theorem 10-3
9. Woodward's Theorem and the example to examine its accuracy