

# CS 496 Lecture 15: Slow-Mixing Markov Chains I

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These notes are under construction! I will post them very soon.

The contents of this lecture are based on [LMR<sup>+</sup>24], which you can find here: <https://arxiv.org/pdf/2405.20849>, and the specific content covered was the setup for continuous time random walks, and various parts of [LMR<sup>+</sup>24, Section 3].

## References

- [LMR<sup>+</sup>24] Kuikui Liu, Sidhanth Mohanty, Prasad Raghavendra, Amit Rajaraman, and David X Wu. Locally stationary distributions: A framework for analyzing slow-mixing markov chains. In *2024 IEEE 65th Annual Symposium on Foundations of Computer Science (FOCS)*, pages 203–215. IEEE, 2024. [1](#)