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ABSTRACT

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Title of the talk: Markovianity and the Thompson Group F

Abstract: We discuss that representations of the Thompson group F yield a large class of bilateral stationary noncommutative Markov processes. As a partial converse, bilateral stationary Markov processes in tensor dilation form are shown to yield representations of F. We point out analogous results between unilateral stationary Markov processes and representations of the Thompson monoid F^+. If time permits, we will mention an application to the left regular representation of F. This is joint work with Claus Köstler and Stephen. J. Wills.

[KKW20] Köstler, C.; Krishnan, A.; and Wills. S. J. (2020). Markovianity and the Thompson Monoid F^+. *eprint* arXiv:2009.14811.

[KK22] Köstler, C.; and Krishnan, A.(2022). Markovianity and the Thompson Group F. *eprint* arXiv:2204.03595.