

Tail invariant measures for generalized Bratteli diagrams

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Bratteli-Vershik models have been very successfully applied to the study of various dynamical systems, in particular, in Cantor dynamics. The set of invariant measures, minimal components, structure of the orbits of the transformation become more transparent when one deals with the corresponding Bratteli-Vershik dynamical systems. In this talk, we consider dynamics on the path spaces of *generalized* Bratteli diagrams that form models for non-compact Borel dynamical systems. A generalized Bratteli diagram is a natural extension of the notion of classical (standard) Bratteli diagrams where each level has a countably infinite set of vertices. The structure of such diagrams is determined by a sequence of countably infinite incidence matrices. In this talk, we will consider various methods for finding ergodic tail invariant measures on the path spaces of generalized Bratteli diagrams.

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