

Scattering for Markov Chains and Related Developments
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A survey will be given on various developments related to the idea of B.Kümmerer and H.Maassen to use scattering type conjugacies in the category of noncommutative Markov chains. This includes recent work, joint with B.Kümmerer and T.Lang, on noncommutative symbolic coding, connections to my work on duality between extensions and dilations of completely positive maps, joint work with M.Skeide in a Hilbert module setting, my version for E_0 -semigroups acting on Fock space and recent joint work with S.Dey on characteristic functions for operator tuples.

Details can be found in the corresponding papers, see my webpage <http://www.math-inf.uni-greifswald.de/algebra/gohm.html> but my intention in this talk will be to show the connections without giving too many details.