

## **Partial actions and the quantum Bernoulli shift of a discrete quantum group**

*Thomas Timmermann*

Partial actions of a group arise as restrictions of global actions to non-invariant subspaces or ideals, and are closely related to actions of the transformation groupoid of the Bernoulli shift of the group. We discuss the passage from groups to discrete quantum groups and present a quantum Bernoulli shift that is closely related to a partial Hopf algebroid constructed by Alves, Batista and Vercauteren in the algebraic context.