

Department of Mathematics, University of California, Berkeley

Operator Algebras Seminar

Organizer: W. Arveson

Wednesday, 2:00–4:00pm, 939 Evans

Sept. 15 **Bill Arveson**, UC Berkeley

Completely positive maps on von Neumann algebras

I'll continue with the exposition of the basic theory of completely positive maps on von Neumann algebras, through Markov semigroups.

Sept. 22 **Bill Arveson**, UC Berkeley

The noncommutative Poisson boundary

We discuss the Choi-Effros multiplication on the range of an idempotent linear map, and apply that to prove existence and uniqueness of the noncommutative Poisson boundary.