

1138-37-291

Palle Jorgensen*, Dept Mathematics MLH, University of Iowa, Iowa City, IA. *Spectral theory of transfer operators; with applications.*

Speaker. Palle Jorgensen, Professor, University of Iowa. Abstract. By class of “transfer operators” refers to a family of operators which arise in diverse areas of dynamics, ranging from quantum theory to wavelet theory, to measurable dynamics, from fractals to signal analysis; from Markov operators in discrete as well as continuous settings. The appropriate transfer operators often arise in instances where Hilbert space is not given directly, and in any case, the spectral theory differs from that of more traditional settings, as will be outlined in the talk. (Received February 12, 2018)