

Seminario de Probabilidades de Chile

Orador: Denis Villemonais

Título: Domination criterion for some positive operators and quasi-stationary distributions.

Resumen: After a short introduction to the concept of quasi-stationary distributions, I will present the typical and well known "finite state space" convergence results. In a second time, I will present domination criteria for the quasi-compactness of positive operators and show some applications of these spectral theoretical results for the study of quasi-stationary distributions. The talk will conclude with an illustration on the interplay between these results and recent ones on weighted branching processes, obtained in collaboration with Nicolas Zaldueño.

El enlace para conectarse al seminario es:

Unirse a la reunión Zoom

<https://reuna.zoom.us/j/84521834914?pwd=OTZ6Y0NWM3pYTGtTbEt3c0luTG96UT09>

ID de reunión: 845 2183 4914

Código de acceso: 997973

**Modalidad híbrida en la sala Maryam Mirzakhani, Torre Norte Piso 6, , Beauchef 851.
Miércoles 08 de Octubre 2025 a las 16:15 horas.**

