FACULTAD DE CIENCIAS
FÍSICAS Y MATEMÁTICAS
UNIVERSIDAD DE CHILE

CMM
Center for
Mathematical
Modeling

cmm.uchile.cl

Beauchef 851, edificio norte, Piso 7
Santiago, Chile
CP 837 0456

Tel. +56-2 2978 4870

SEMINARIO DE SISTEMAS DINÁMICOS DE SANTIAGO

DAY / TIME: Monday May 11th, 2020 / 4:30 PM - 5:30 PM (Santiago Time)
LOCATION: Zoom meeting (ID **950 3770 0646**, Password **595507**)
URL https://zoom.us/j/95037700646?pwd=bjNUMFlBN1hDZSt2aEUwakFLOCtkQT09

SPEAKER: Nishant Chandgotia (Hebrew University of Jerusalem)

TITLE: *Predictive sets*

ABSTRACT: A subset of the integers P is called predictive if for all zero-entropy processes X_i; i in Z, X_0 can be determined by X_i; i in P. The classical formula for entropy shows that the set of natural numbers forms a predictive set. In joint work with Benjamin Weiss, we will explore some necessary and some sufficient conditions for a set to be predictive. These sets are related to Riesz sets (as defined by Y. Meyer) which arise in the study of singular measures. This and several questions will be discussed during the talk. No previous background will be assumed on the subject.

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