

# Title: Dynamics of (infinite) product of nonnegative matrices

Speaker: Yogesh Prajapaty, IISER-TVM

Date and Time: August 7, 2020; 10:30am

Venue: Google Meet

# Abstract

Extending a well-known consequence of the Perron-Frobenius theorem on the periodic points of a nonnegative matrix to products of finitely many nonnegative matrices associated to a word, possibly of infinite length, we aim to understand the action of random dynamics generated by this finite collection. We will also discuss the homogeneous version of this question.