

# MSGSÜ Matematik Bölümü Semineri

2 Kasim, Perşembe - 15:00

## ERGODIC AND STOCHASTIC PROPERTIES OF HOLOMORPHIC ENDOMORPHISMS OF $\mathbb{C}\mathbb{P}^k$

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For a holomorphic endomorphism  $f : \mathbb{C}\mathbb{P}^k \rightarrow \mathbb{C}\mathbb{P}^k$  of the complex projective space there is a unique invariant measure  $\mu_f$  of maximal topological entropy. In this talk, I will survey some ergodic and stochastic properties of the dynamical system  $(\mathbb{C}\mathbb{P}^k, f, \mu_f)$ . I will also present some recent results and open problems in this context.