

The College of Arts & Sciences
Department of Mathematical Sciences

Colloquium

Professor Paata Ivanisvili

University of California Irvine

Monday March 3, 2025

French Hall West, Room 4221

4:00-5:00pm

Discrete approximation theory

I will discuss polynomial approximation problems on the n -dimensional hypercube, focusing on quantitative estimates of the approximation error as n grows. This topic represents a burgeoning area in the analysis of Boolean functions—one that is far less understood than its classical counterpart on the real line. I will present several recent results together with its applications, as well as highlight ongoing challenges and open problems in the field.

Refreshments will be served 3:15-3:45 pm in the Faculty Lounge
4118 French Hall West