

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 20 בינואר, 2026

בשעה 14:30 – 15:30

ב-Math 101

ההרצאה

character and conjugacy classes of Mixing estimates

תינתן על-ידי

(Technion) Glazer Itay

תקציר: In 1981, Shahshahani and Diaconis showed that $n \log(n)$ random transpositions roughly produce a random permutation. In their work, they translated this into the theory of symmetric groups. In this talk, I will explain how this perspective extends to the study of characters of S_n and how it relates to the theory of mixing times. For a finite group G , the mixing time is the number of steps required for a random walk to become approximately uniform. I will discuss recent results on this topic, including work by Larsen and Michael (arXiv:2402.11108) and Avni, Nir, and Lfishitz Noam.