

המחלקה למתמטיקה, בן-גוריון

הסתברות ותורה ארגודית

ביום שלישי, 3 במאי, 2016

בשעה 10:50 – 12:00

ב-101 Math

ההרצאה

The critical point for percolation on groups

די-על תינתן

(BGU) Yadin Ariel

תקציר: I will discuss a conjecture of Schramm & Benjamini from 1996: Any Cayley graph G has non-trivial percolation for point critical $p_c < 1$ unless G is a finite group. I will present a strategy to prove this conjecture (in some stronger form) and discuss the various notions involved (EIT, exponential intersection tail measures, etc.). Hopefully, the discussion will explain some of the plausibility or weakness of the proposed strategy.