המחלקה למתמטיקה, בן-גוריון

הסתברות ותורה ארגודית

ביום שלישי, 6 בדצמבר, 2016

בשעה *10:50 – 12:00*

ב*Math -101*

ההרצאה

graphs infinite locally of geometry The

תינתן על-ידי

(Weizmann) Martineau Sebastien

תקציר: The geometry of graphs is usually studied in the locally finite setup: each vertex has finitely many neighbors. By compactness arguments, one proves some useful and classical regularity theorems for such graphs. Such theorems are easily disproved for locally infinite graphs, but finding homogeneous counter- examples (transitive or Cayley) leads to interesting constructions. I will explain why the geometry of locally infinite graphs is worth studying, present my results, state some questions I currently cannot answer.