המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 17 בינואר, 2017,

בשעה *14:30 – 15:30*

ב*Math -101*

ההרצאה

and graphs Ramanujan in directions New complexes

תינתן על-ידי

Jerusalem) of University (Hebrew Parzanchevski Ori

תקציר: A Ramanujan graph is graph finite a which, behaves in terms of
expansion, like its universal cover (which is an infinite tree). In recent years a
parallel theory has emerged for simplicial complexes of higher dimension, where
the role of the tree is taken by Tits-Bruhat buildings. I will recall briefly the story
of Ramanujan graphs, and then explain what are Ramanujan "complexes and
survey some of the new results regarding their construction and their properties.