

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 30 באפריל, 2019

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

groups uncountable and theorem Hindman's

תינתן על-ידי

(BIU) Rinot Assaf

תקציר: In the early 1970's, Hindman proved a beautiful theorem in additive combinatorics. The theorem asserts that for any partition of the natural numbers into finitely many cells, there exists a cell containing an infinite set of numbers such that the sum of any finite subset of these numbers also belongs to the cell. This theorem has been generalized in many ways, and we shall talk about some of these generalizations. In particular, we shall discuss a recent theorem of Hindman, which generalizes his theorem to the real numbers. This theorem was proved jointly with David Fernandez-Breton, and is a classic result in the theory of topological groups. We shall also mention some work of Shelah and Galvin, and of Strauss and Galvin.