המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום *שלישי, 13 בינואר, 2026*

בשעה *14:30 – 15:30*

ב-*Math 101*

ההרצאה

Chernoff and Expanders Dimensional High Inequalities

תינתן על-ידי

(IAS) Dikstein Yotam

תקציר: probability in inequalities basic most the of one is inequality Chernoff's mean its to close is variables random independent of sum the that states It theory. proven inequality', Chernoff 'Expander-Graph The probability. high very with Chernoff's of extension powerful a is ,1987 in Szemeredi and Komlos, Ajtai, by the sampling when even holds inequality Chernoff's that asserting inequality, them sampling of instead graph expander an in paths using variables random independently.

Chernoff's of generalizations and extensions further discuss will we talk, this In expanders dimensional High expanders. dimensional high from coming inequality more are These properties. pseudo-random exhibiting hypergraphs sparse are the return in but [AKS], of graphs expander the than structures sophisticated

more far a in applies them from obtained bound Chernoff's of generalization setup. general
expanders, dimensional high for hold bounds Chernoff-type why see will We
geometry dimensional high in problems in naturally arises inequality this how and complexity. computational and
prior assume not will talk The Hopkins. Max with work joint on based is This audience. broad a at aimed is and theory complexity in background