

המחלקה למתמטיקה, בן-גוריון

הסתברות ותורה ארגודית

ביום שלישי, 9 ביוני, 2015

בשעה 10:50 – 12:00

ב101- Math

ההרצאה

subsets finite random between distortion Metric interval the of

תינתן על-ידי

Institute) (Weizmann Malyshev Anton

תקציר: Consider a random finite metric space X given by sampling n points in a unit interval U uniformly and independently. With high probability, the distance between any two points is roughly $1/n$. However, with high probability, there exist pairs of points whose distance is distorted by a factor of $n^{2/3}$. The exponent $2/3$ is optimal.