המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום *שלישי, 10 במאי, 2022*

בשעה *14:30 – 15:30*

ב-*Math 101*

ההרצאה

Boolean low-degree a of shape the hear you Can function?

תינתן על-ידי

(BIU) Keller Nathan

תקציר: functions of shape“ the ”hearing at aims functions Boolean of Analysis structure the what understanding at namely, – {-1,1}^n cube discrete the on we talk, this In function. the about us tells transform Fourier (discrete) the of namely, cube, discrete the on functions ”low-degree“ of structure the on focus frequencies. ”low“ on concentrated are coefficients Fourier whose functions on understanding from far surprisingly are we simple, very look functions such While several present shall We case. first-degree basic most the in even well, them proof recent the including cube, discrete the on functions first-degree on results function first-degree any that asserts which (1986) conjecture Tomaszewski‘s of mean its from deviation standard one within lies variable) random a as (viewed questions, open core several discuss shall we Then .1/2 least at probability with

low-degree a that knowledge the does what understanding, to down boil which
structure. its about us tell two-valued, is or bounded, is function
Klein Ohad with work joint on Based