

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 27 בדצמבר, 2016

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

Rare - eigenvalues and zeros complex Gaussian 'forbidden' the of emergence the and events region

תינתן על-ידי

Michigan) of (University Nishry Alon

תקציר: The of zeros The Gaussian Entire Function and the infinite Ginibre configurations point random two-dimensional of examples natural two are ensemble non- to Due plane. the of motions rigid under invariant is distribution whose from different quite are processes two these of features the correlations, trivial processes these reason, this For process. point Poisson homogeneous the of ones the physicists. mathematical and probabilists, analysts, to interest of are the and structure the about know we that things the of some describe will I the when events, rare are interest particular Of processes. these of statistics value. 'typical' its from different very is domain certain a in points of number large a in zeros no are there when event, 'hole' the is example important An

region, forbidden large a exhibit zeros the event, hole the on Conditioned disk.
new a is This asymptotically. zeros few very are there where hole, the outside
to known result corresponding the to contrast stark in is which phenomenon,
ensemble. Ginibre the for hold
(arXiv:1609.00084). Ghosh S. with work joint a on Based