

המחלקה למתמטיקה, בן-גוריון

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## קולוקוויום

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ביום שלישי, 12 בדצמבר, 2017

בשעה 14:15 – 17:00

ב-101 Math

ההרצאה

תב"ה

חינתן על-ידי

meeting Math-Physics

תקציר: break 14:15-14:30-coffee

Entova Inna 14:30-14:40

categories tensor and Superalgebras Title:

some present and superalgebras, Lie are what describe briefly will I Abstract:

years. few last the in studied been have which representations their on questions

Berend Daniel 14:45-14:55

Probability. Applied Title:

area. this in problem a of example an present will We Abstract:

Abraham Ben Shelomo 15:00-15:10

overflight an – tilings Aperiodic

Glasner Yair 15:15-15:25

finite in orbits periodic counting and theorem Kesten probabilistic A Title:

graphs.

how and subgroups ransom Invariant of notion the describe will I Abstract:  
(non- closed of number asymptotic the on estimates precise give to it used we  
graphs. finite in circuits backtracking)

Meyerovitch Tom 15:30-15:40

Fields Random Markov and measures Gibbs Title:

Random Markov a view, of point mathematical abstract an From Abstract:  
graph, countable) or (finite some of vertices the on function random a is Field  
a (for measure Gibbs Every property. independence conditional certain a with  
Hammersley to due theorem old An Field. random Markov a is interaction) local  
present will I assumptions. extra some under converse, the establishes Clifford and  
questions. and results recent more) (slightly some state and notions these

break Coffee

Cohen Doron 16:00-16:10

Chaos Quantum and Processes Stochastic Title:

quantum and stochastic of dynamics the considers study recent Our Abstract:  
perform that particles classical with (a) geometry: ring particular in models,  
whose particles Bose quantum with (b) environment; disordered in walk random  
Anderson-type the is cases both in arises that theme One coherent. is dynamics  
eigenstates. the of localization

Hirshberg Ilan 16:15-16:25

a say briefly I'll Abstract: products. crossed and systems  $C^*$ -dynamical Title:  
problems of kinds what loosely and mean, above words the what on words few  
at. look to tend I

Theory Function Noncommutative Vinnikov Victor 16:30-16:40

theory a developing in been have years recent in interests main my of One  
the following out, turns It variables. noncommuting several of functions of  
be can functions such that 1970s, early the in Taylor L. Joseph of ideas pioneering  
satisfy that sizes all of matrices square of tuples on functions as viewed naturally  
Noncommutative matrices. of size the vary we as conditions compatibility certain  
(including spaces operator of theory the to things, other among related, are functions  
probability. free to and convexity) matrix and positivity complete as topics such  
of case in discuss can I that and in, interested am I that topics other Some  
and  $C^n$  in polydisc the on and ball unit the on theory function are interest,  
surface, Riemann compact on bundles vector and line theory, operator related  
of representations determinantal kernels, Cauchy and functions theta especially  
geometry algebraic real in convexity on topics various and varieties, algebraic  
polynomials. hyperbolic to related

Eichler David 16:45-16:55

networks in routing conflict zero Vortex-based,  
2D in conflict traffic reducing for suggested is approach novel A Abstract:  
zero as defined are conflicts primary without Intersections networks. spatial  
maximal of classification complete provably A designs. (ZTC) conflict traffic  
three-way 3 and four-way 9 are there that shown is It presented. is designs ZTC  
reversal arrow and rotation, mirror, within to designs, intersection ZTC maximal  
intersections most or all where networks design to used are Vortices symmetry.  
intersecting unrestricted to relative distance, travel average in Increases ZTC. are  
conflict. traffic reducing of cost worthwhile a represent and modest, are flow,

**אנא שימו לב לשינוי בשעה!**