המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 27 בדצמבר, 2022

15:30 – 14:30 בשעה

101- Math⊃

ההרצאה

mathematical in developments recent Some quasicrystals

תינתן על-ידי

(KIT) Hartnick Tobias

theory mathematical the quasicrystals, of discovery the after years 40 מקציר: original the While phase. new a into entering currently is objects these around been largely has materials quasicrystalline of modelling mathematical of goal remain. questions open many achieved,

questions that is quasicrystals of days early the from insight fundamental One systems, dynamical from methods by attacked be can structures discrete about made were attempts decade, last the Over analysis. harmonic and theory ergodic quasicrystal- study to example for context, broader a in approach dynamical this use to connections new created has This geometries. non-Euclidean in structures discrete like quasimorphisms, lattices, of theory rigidity including mathematics, of areas dffierent to also byproduct a as which analysis, harmonic non-abelian and theory, model

recent time, same the At problems. classical study to tools new with us provide new of discovery the to lead also has processes point of theory the in progress connections surprising some example for quasicrystals, classical concerning phenomena approximation. diophantine to

classical the at look another take to time good a is it that believe thus We of some about say to have methods modern what see and quasicrystals of theory the of beginnings early the from start will We area. the in problems classical the discoveries. recent many the of few a out point then and theory