המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום *שלישי, 9 בדצמבר, 2025*

בשעה *14:30 – 15:30*

ב-*Math 101*

ההרצאה

dimensions low in torsion homological Virtual

תינתן על-ידי

Bonn) of (University Fruchter Jonathan

תקציר: Venkatesh Akshay and Bergeron Nicolas of conjecture long-standing A first the in torsion of amount the 3-manfiolds, hyperbolic closed in that predicts the with exponentially grow should covers normal finite-sheeted of homology volume the reflecting rate a at larger, become covers the as cover the of degree to known is group finite residually presented finitely no Yet manfiold. the of chain exhausting an along homology first in growth torsion exponential exhibit subgroups. normal finite-index of

view clearer a offers lens two-dimensional a how explain will I talk this In finite in torsion homological create that mechanisms underlying the of some of this in tractable more be may growth exponential obtaining why and covers, profinite of question the to connect ideas these how discuss also will I setting. quotients. finite its in encoded is group a about information much how rigidity: