

המחלקה למתמטיקה, בן-גוריון

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## קולוקוויום

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ביום שלישי, 30 בנובמבר, 2021

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

### **the tile: one of translates with integers the Tiling three for conditions tiling Coven-Meyerowitz factors prime**

תינתן על-ידי

(UBC) Londner Itay

תקציר: It known well is that finite set of integers  $A$  that tiles the integers with translations, by Meyerowitz and Coven group. cyclic finite a of  $A+B=Z_M$  factorization a to equivalent prime distinct two most at has  $M$  period tiling the when that proved (1998) "standard" ordered highly a by replaced be can  $B$  and  $A$  sets the of each factors, tilings all for persists behaviour this whether known not is It complement. tiling with work joint In  $M$ . of factors prime of number the on restrictions no with I talk my In  $M=(pqr)^2$ . when true is this that proved we (UBC), Laba Izabella proof. the from ingredients some introduce and problem this discuss will