

המחלקה למתמטיקה, בן-גוריון

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## קולוקוויום

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ביום שלישי, 9 במאי, 2023

בשעה 14:30 – 15:30

Math-101

ההרצאה

### **matrix for behaviour non-Lyapunov of Sets cocycles**

חינתן על-ידי

Sasha Sodin (Queen Mary University of London)

**תקציר:** A matrix cocycle is a non-commutative random walk. The counterpart of the describing theorem, almost sure asymptotic behaviour of the random matrix products by given order, leading to behaviour On Oseledec. and Furstenberg, Furstenberg–Kesten, of works the in originating second-order one-dimensional random of theory spectral the hand, other the number real additional an on depending cocycles of study the to leads operators all almost for applicable is theory the priori, a and, parameter), spectral (the the on be will talk the of focus The parameter. the of values all) than (rather we particularly, occurs: behaviour asymptotic different where sets, exceptional properties, metric and topologic their and theory spectral in rôle their discuss shall approximation. Diophantine on theorem Jarnik the resembling result a including Goldsheid. Ilya with work joint on Based