

**The Weizmann Institute of Science
Faculty of Mathematics and Computer Science**

Midrasha on Groups Seminar

Lecture Hall, Ziskind Building
on Monday, Jun 17, 2024
at 11:15

ZOOM

The seminar will be frontal and also on Zoom (password: 400359)

Gal Yehuda
Yale

will speak on

Density of growth-rates of subgroups of a free group

Abstract:

We prove the set of growth-rates of subgroups of a rank $\sim r$ free group is dense in $[1, 2r-1]$. Our main technical contribution is a concentration result for the leading eigenvalue of the non-backtracking matrix in the configuration model.

Based on a joint work with Michali Louvaris and Dani Wise.