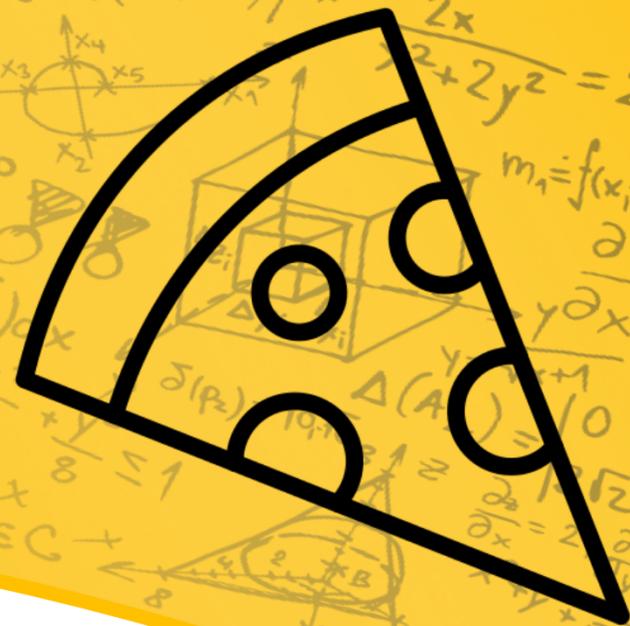




The Faculty of Mathematics
Invites you to the

Pizza seminar



Time & Place

Wednesday, January 28, 13:30
8th floor lounge, Amado bldg.

Title

Measure estimates coming from convergence in the Hausdorff distance

Speaker

Lior Tenenbaum (Bar Ilan University)

Abstract

We examine the relationship between convergence in the Hausdorff distance and convergence of the associated measures. We introduce a method for estimating the measure of a compact set that is approximated, in the Hausdorff distance sense, by a sequence of compact sets. This is achieved by considering suitable fattenings of the approximating sets and showing that their measures converge. We then review applications of this result to the study of operator spectra arising from sequences of periodic approximations, leading to the construction of spectral covers.