Department of Mathematics, BGU

AGNT

On *Wednesday, December ,25 2019*

At *15:00 − 16:15*

In *101-*

Nadya Gurevich (BGU)

will talk about

Fourier transforms on the basic affine space

Abstract: For a quasi-split group G over a local field F, with Borel subgroup $B=TU$ and Weyl group W, there is a natural geometric action of $G\times T$ on $L^2(X),$ where $X=G/U$ is the basic affine space of G. For split groups, Gefland and Graev have extended this action to an action of $G\times (T\rtimes W)$ by generalized Fourier transforms Φ_w. We shall extend this result for quasi-split groups, using a new interpretation of Fourier transforms for quasi-split groups of rank one.

This is joint work with David Kazhdan.