

Department of Mathematics, BGU

Colloquium

On Tuesday, March 22, 2022

At 14:30 – 15:30

In Math -101

LEONID POLTEROVICH (TEL AVIV UNIVERSITY)

will talk about

Symplectic maps: algebra, geometry, dynamics

ABSTRACT: Symplectic maps can be considered as symmetries of a geometric structure (a symplectic form) on a manifold, and as a mathematical model of admissible motions of classical mechanics. I discuss a number of rigidity phenomena of algebraic, geometric, and dynamical nature exhibited by these maps, focusing on a recent work with Egor Shelukhin.