

Department of Mathematics, BGU

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# Colloquium

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**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.