Department of Mathematics, BGU

Colloquium

On *Tuesday, May ,23 2023*

At *14:30 – 15:30*

In *Math 101-*

Michael Entov (Technion)

will talk about

Kahler-type symplectic embeddings of balls into symplectic manfiolds

Abstract: Symplectic embeddings of balls into symplectic manfiolds have been extensively studied since the famous non-squeezing theorem of Gromov .(1985) However, even for basic closed symplectic manfiolds, such as a complex projective space of real dimension 6 or higher, the classfiication of these embeddings up to a symplectomorphism of the target manfiold is still unknown. I'll discuss such a classfiication for a special kind of symplectic embeddings of balls - the so-called Kahler-type embeddings - that can be studied using complex geometry.

This is a joint work with M.Verbitsky.