

Department of Mathematics, BGU

Logic, Set Theory and Topology

On *Tuesday, May ,24 2016*

At *12:30 – 13:45*

In *Math 101-*

Ari Brodsky (BIU)

will talk about

Custom-made Souslin trees

Abstract: We propose a parameterized proxy principle from which κ -Souslin trees with various additional features can be constructed, regardless of the identity of κ . We then introduce the *microscopic approach*, which is a simple method for deriving trees from instances of the proxy principle. As a demonstration, we give a construction of a coherent κ -Souslin tree that applies also for κ inaccessible.