

Department of Mathematics, BGU

Logic, Set Theory and Topology

On Tuesday, June ,27 2017

At 12:15 – 13:30

In Math 101-

Bill Chen (BGU)

will talk about

Variations of the stick principle

Abstract: The stick principle asserts that there is a family of infinite subsets of ω_1 of size \aleph_1 so that any uncountable subset of ω_1 has some member of the family as a subset. We will give a forcing construction to separate versions of the stick principle which put a bound on the order-type of the subsets in the family. Time permitting, we will say a little about the relation of the stick principle with the existence of Suslin trees.