

Department of Mathematics, BGU

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# Logic, Set Theory and Topology

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**On** *Tuesday, May 31 2016*

**At** *12:30 – 13:45*

**In** *Math 101-*

Assaf Rinot (BIU)

will talk about

## **Reduced powers of Souslin trees**

Abstract: What is the relationship between a Souslin tree and its reduced powers? and is there any difference between, say, the reduced  $w$ -power and the reduced  $w_1$ -power of the same tree? In this talk, we shall present tools recently developed to answer these sort of questions. For instance, these tools allow to construct an  $w_6$ -Souslin tree whose reduced  $w_n$ -power is Aronszajn iff  $n$  is not a prime number.

This is joint work with Ari Brodsky.