

Department of Mathematics, BGU

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# Algebraic Geometry and Number Theory

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*On Wednesday, January ,25 2017*

*At 15:10 – 16:30*

*In Math 101-*

Yue Ren (BGU)

will talk about

**Computing tropical varieties**

Abstract:



**Ben Gurion University - Mathematics**  
**Algebraic Geometry and Number Theory Seminar**

*Speaker*    **Yue Ren (BGU)**

*Title*        **Computing tropical varieties**

*Date*        Wednesday, 25 January 2017

*Time*        15:10 - 16:30 (starts 15:10 sharp)

*Location*   Room -101 in Building 58

*Abstract*    While tropical varieties are commonly described as combinatorial shadows of their algebraic counterparts, they also naturally arise in many other contexts due to their combinatorial structure.

                  In this talk, we will introduce tropical varieties and showcase some of the applications of tropical geometry. Moreover, we will discuss how tropical varieties can be computed, and, in doing so, highlight some bread-and-butter techniques of computer algebra.

(updated 18 Dec 2016)