TEL AVIV UNIVERSITY אוניברסיטת תל-אביב

The next *What-Is Seminar* talk will be held on

Thursday, 19/1/12, 15:10—16:30
in **Orenstein 110**

The speaker is

Nattalie Tamam (TAU)

What are Sieve Methods?

The lecture will be given in Hebrew.
There will be some snacks and drinks.

You are all invited!

Abstract

Sieve methods are a set of techniques meant to measure the size of "sieved" sequences, that is, sequences from which a subsequence has been removed. These are common methods for finding upper bounds on the sizes of certain sets.

In this talk we will present two methods: Erastosthenes' method, which is basic, and Selberg's method, which is an improvement of Erastosthenes'. We will also discuss some applications, such as bounds on the amount of primes and on the amount of twin primes up to a given natural number n.

For more information visit: http://www.math.tau.ac.il/∼pelegm/whatis