



# HACETTEPE ÜNİVERSİTESİ

## MATEMATİK BÖLÜMÜ

### SEMİNER

### TAMÁS LÁSZLÓ

BABEŞ-BOLYAI ÜNİVERSİTESİ  
ROMANYA

**SALI**  
**21 NİSAN**  
**2026**

**13:30 - 15:30**

**04 NO.LU DERSLİK**

### Weighted Lattices, Homology and Applications to the Theory of Singularities

In this lecture we will discuss how to encode topologically/combinatorially the informations of a given weighted lattice. This concept is called the lattice homology. We will discuss first its elementary combinatorial constructions and if time permits, we will give the philosophy (with less technical details) about its appearance in the theory of curve and surface singularities.



[mat.hacettepe.edu.tr](http://mat.hacettepe.edu.tr)