

**The  $L_p$  Minkowski problem and polytopal approximation**

Karoly Boroczky

*Alfred Renyi Institute of Mathematics*

boroczky.karoly.j@renyi.hu

The  $L_p$  Minkowski problem, a Monge-Ampere type equation on the sphere, is a recent version of the classical Minkowski problem. I will review cases when one can reduce the equation to properties of polytopes, and then use polytopal approximation to solve the PDE in general.