



THE WEIZMANN INSTITUTE OF SCIENCE  
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Algebraic Geometry and Representation Theory Seminar

Room 290C ,Ziskind Building  
on Tuesday, Oct 31, 2017  
at 11:15

Walter Gubler  
University of Regensburg

The non-Archimedean Monge-Ampere problem

Abstract:

Calabi conjectured that the complex Monge-Ampere equation on compact Kaehler manifolds has a unique solution.

This was solved by Yau in 1978. In this talk, we present a non-archimedean version on projective Berkovich spaces.

In joint work with Burgos, Jell, Kunemann and Martin, we improve a result of Boucksom, Favre and Jonsson in the equicharacteristic 0 case. We give also a result in positive equicharacteristic using test ideals.