

WEIGHTED G-UNIFORM K-STABILITY ON KLT VARIETIES

Speaker: Yaxiong Liu

Chongqing University of Technology

Time: Fri., Nov. 6th, 9:30-11:00

Venue: Room 102, SCMS

Abstract: In this talk, we introduced weighted non-Archimedean pluripotential theory and defined the weighted K-stability on klt varieties. We prove that the weighted G-uniform K-stability implies the G-corecivity of weighted Mabuchi functional, which is related to the existence of weighted cscK metrics in the sense of Lahdili, provided the Boucksom-Jonsson's envelope conjecture. This is a joint work with Dr. Jiyuan Han.