

Completion of normal toric schemes over arbitrary valuation rings of rank one

Alejandro SOTO
KU Leuven, Leuven

Toric schemes over arbitrary valuation rings of rank one have been introduced and studied by Gubler in 2011. They generalize the toric schemes over dvr's studied by Mumford in the 70's. In the case of normal toric schemes of finite type a classification can be given in terms of some admissible fans. This extends the well known result of the classical theory over a field. In this talk, we will review its main properties and we show that such toric schemes can be embedded equivariantly into a proper one.