

1152-14-233

Karim Adiprasito, Gaku Liu* (gakuliu@mis.mpg.de) and **Michael Temkin**. *Semistable reduction in characteristic 0.*

In 2000 Abramovich and Karu proved that any dominant morphism of varieties of characteristic zero can be made weakly semistable, and conjectured that it could be made semistable as well. They reduced the conjecture to solving a combinatorial problem on rational fans. Here we solve this combinatorial problem, and therefore the conjecture, by constructing certain unimodular triangulations of lattice polytopes. Joint work with Karim Adiprasito and Michael Temkin. (Received September 10, 2019)