

1038-14-3

Mircea Mustata*, University of Michigan. *Invariants of singularities in algebraic geometry.*

In algebraic geometry one has to learn how to live with singular objects. Moreover, the local geometry is interesting precisely due to singularities. I will give an overview of some ideas for defining invariants of singularities, and I will discuss results and conjectures relating these invariants.

(Received April 11, 2007)