1064-14-364   **Jaroslaw Wlodarczyk*** (`wlodar@math.purdue.edu`), 965 Onyx Street, West Lafayette, IN. *On resolution of singularities in positive characteristic.*

We discuss some aspects of extending the resolution algorithm in characteristic zero to characteristic p. In particular, we discuss increase of a classical invariant associated to so called hypersurfaces of maximal contact. (Received September 14, 2010)