

1147-14-262

Paolo Cascini and **Shunsuke Takagi***, Graduate School of Mathematical Sciences, University of Tokyo, 3-8-1 Komaba, Meguro-ku, Tokyo 153-8914, Japan. *On threefolds of globally F -regular type*. Preliminary report.

A projective variety X over an algebraically closed field of characteristic zero is said to be of globally F -regular type if its modulo p reduction X_p is globally F -regular for almost all p . Schwede and Smith asked whether projective varieties of globally F -regular type are of Fano type or not. Gongyo-Takagi and Hwang-Park gave an affirmative answer to the two-dimensional case of their question. In this talk, we will discuss the three-dimensional case. (Received January 15, 2019)