1023-14-1029   **Nan Gu*** (`ngu@math.purdue.edu`), Department of Mathematics, Purdue University, 150 N. University Street, West Lafayette, IN 47907. *Simultaneous Surface Resolution.*

The problem of Simultaneous Surface Resolution asks if for a given finite algebraic extension L of a two-dimensional function field K/k there exist a non-singular projective model X of K such that its normalization Y in L is non-singular. While in general the answer is no we do have a positive answer for some cases. This is joint work with Abhyankar. (Received September 24, 2006)