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James C Price* (jprice@uafortsmith.edu), 5210 Grand Avenue, P.O. Box 3649, Fort Smith,
AR 72913-3649. *An obstruction in extending Abhyankar's results for the Jacobian conjecture.*

In this talk we will briefly discuss the issues in trying to extend Abhyankar's results for the Jacobian conjecture to weighted homogenous polynomials of positive weight. In particular, we will construct a series of weighted homogeneous polynomial pairs of positive weight that behave the same way under the Jacobian as their negatively weighted counterparts, but they will not possess the same pairwise properties. (Received September 20, 2011)