

1116-11-1279      **Lubjana Beshaj\*** ([beshaj@oakland.edu](mailto:beshaj@oakland.edu)), 385 MSC, Oakland University, Rochester, MI 48309.  
*Integral minimal models for binary forms.*

The reduction theory of binary quadratics is well understood. In this talk, we show how that can be extended to higher degree binary forms via the Julia quadratic. This leads to an algorithm of determining equations of superelliptic curves with minimal height. (Received September 18, 2015)