Xiaoyan Hu* (xhu@math.uga.edu), Department of Mathematics, University of Georgia, Athens, GA 30602. The compactification of moduli space of Burniat surfaces with $2 \leq K^2 \leq 5$.

Burniat surfaces are a very special case of surfaces of general type with $q = p_g = 0$. I will describe their geometry, degenerations and a compactification of moduli space of Burniat surfaces with $2 \leq K_X^2 \leq 5$ by adding slc surfaces $X$ with ample $K_X$. (Received September 15, 2013)