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**Xiaoyan Hu\*** ([xhu@math.uga.edu](mailto: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)