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**Hsian-Hua Tseng\*** ([hhtseng@math.ubc.ca](mailto:hhtseng@math.ubc.ca)), 1984 Mathematics Road, Vancouver, BC V6T 1Z2, Canada. *Global quotient structure of moduli of orbifold stable maps.*

Global quotient stacks (that is, stacks which are quotients of schemes by linear algebraic groups) form a particularly nice class of stacks. In the study of orbifold Gromov-Witten theory, properties of moduli of orbifold stable maps play an important role. In joint work with D. Abramovich, T. Graber, and M. Olsson, we prove that the moduli stack of orbifold stable maps to a quotient stack is a quotient stack. In this talk we'll discuss the proof of this result and its consequences. (Received February 15, 2007)