

# Harvard-M.I.T. Algebraic Geometry Seminar

## FLAT COVERS FOR DELIGNE-MUMFORD STACKS

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### Abstract:

This is joint work with Andrew Kresch. We show that every quotient Deligne-Mumford stack with quasiprojective moduli space has a flat finite surjective cover by a scheme. Furthermore, if the stack is smooth the cover can also be taken to be smooth.

We use this result to throw light on the question of what Deligne-Mumford stacks are quotient stacks.

Tuesday, February 11th  
3:00 p.m.  
MIT Room 2-135, NOTE: This is not the usual room.

<http://www-math.mit.edu/~jstarr/03sem/>.