

1016-37-74

Martin J Schmoll* (schmoll.2@nd.edu), address, South Bend, IN 46601. *Invariant subspaces of modular fibers.*

We state and explain a finiteness result for $SL(X, \omega)$ invariant subspaces in X^n when (X, ω) is a Veech surface. We apply these results to illumination problems on the translation surface X . (Received February 01, 2006)