

BOUNDS ON CANONICAL GREEN'S FUNCTIONS FOR NONCOMPACT MODULAR CURVES

ANILATMAJA ARYASOMAYAJULA

ABSTRACT. In this talk, I will discuss the main results from my PhD thesis, where we obtain estimates for the canonical Green's function associated to the canonical metric, on non-compact finite volume hyperbolic Riemann surfaces of positive genus, in terms of invariants from hyperbolic geometry. It is a slight generalization of the work done by Jorgenson and Kramer for compact Riemann surfaces.