1078-11-262   **Ernst Kani*** (`kani@mast.queensu.ca`), Department of Mathematics and Statistics, Queen's University, Kingston, Ontario K7L 3N6, Canada. *Binary theta series and modular forms of weight one with complex multiplication.*

The main purpose of this talk is to show that the space $\Theta(D)$ generated by the theta series attached to positive definite binary quadratic forms of discriminant D/t^2 (where $t^2|D$, $t \geq 1$) equals the space of modular forms of weight 1 of level $|D|$ which have complex multiplication by their Nebentypus character ψ_D (= Legendre-Kronecker character). (Received December 11, 2011)