

Part 1. Elliptic Moduli

This part consists of an exposition to Drinfeld's theory of elliptic modules (see [D1, D2]). Their definition and basic properties are discussed in Chaps. 2 and 3. Denote by A the ring of elements of the function field F which are integral outside the fixed place ∞ . Let $I \neq \{0\}$ be any ideal in A which is contained in at least two maximal ideals. In Chap. 4 we recall the construction of the (Drinfeld) moduli scheme $X = M_{r,I}$ of isomorphism classes of elliptic A -modules of rank r with I -level structure. It is an affine scheme of finite rank over A . In Chap. 5 we construct a finite étale Galois covering \tilde{X} of X , whose Galois group Γ is a quotient of an anisotropic inner form D_∞^\times of $G(F_\infty)$.