## -adic-Lecture-11

Monday, 4 January 2021 14:09



11. REPRESENTATIONS OF GALOIS GROUPS AND  $(\phi, \Gamma)$ -MODULES  $\mathcal{V} \longrightarrow \mathcal{P}ad\mathcal{K}$   $\overline{\mathcal{V}} \supset \mathcal{R}$   $G_{\mathcal{V}} = G_{\mathcal{C}}e(\overline{\mathcal{E}}/\mathcal{K})$   $\mathcal{K} = \overline{\mathcal{K}}_{\mathcal{D}} = \overline{\mathcal{K}}$   $\mathcal{H} = G_{\mathcal{C}}e(\overline{\mathcal{K}}/\mathcal{K})$  $\Gamma = Gae(\mathcal{K}_{\mathcal{D}}/\mathcal{K})$ 

65

e

universal addes of strap and 
$$F_{T}$$
.  
Support that  $E$  is at partial.  
Then we have example  
if dill of and a area is  
 $M = E$ .  $M = 2e$ .  
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 $M = 2e$ .  
 $M = 2e$ .  
 $M = 2e$ .  
 $Construction of endown
 $P(M \neq 2ep Gee(E|E|, TF))$   
 $Construction of function U and 0.$   
 $d \in Conc above some
 $cep complete externs F.$   
 $Ou E' we have the
 $contain.$   
 $(E) Color of Gel(E'E)$   
 $(E) Operator Forboniss and
 $They commute$ .  
 $V(H) = (E^{A} \oplus M)^{Gel}$   
 $D(W) = (E^{A} \oplus W)^{Gel(B|E)}$   
 $F_{F}$   
 $Technick class
 $F = E^{S} c \overline{E}$   
 $FTS' is controls under
 $aut (E'M) = duttE(E)$   
 $Then Frenton D, U give mater
 $Green Q(E) = Pool (Gel(E))$   
 $The Frenton D, U give mater
 $Green Q(E) = Pool (Gel(E))$   
 $The Tructon D, U = F_{F}$ .$$$$$$$$