p-adic-Lecture-12

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> 66 **12.** Lecture 12. More about (ϕ, Γ) -modules X-p-adic field , KCR GE = Gel (FIK). G=E Rep (GK, R) Rep (Gr, Zp), Pep Gr, Fpl Rep (Fix, Cro) V rpop (Gran Qp) -> Dep (dec. Gp) ·V(W) = WOG Period ning A "Pep (6, Q) ~ pep (50) ralding LCLCC X= 12 = K (Mpa) H=60l (5) 121 r = el (2/1/2) 1-9K+6x+1->1 Rep (Gr. Rr) ~

> > Pen (T, 12ep (M Qp))

Rep (Gel (F), Fp) = 6-mod over A = W(F)

K < Y=Ko cr Then we can carty Est. Galpatr WHE 524 to algree Zp - A Rep (G14 Zp) = Rept, 4) our A. L=Ko A E, S~ I shalis to Port. Example Ro E~L'(P) z- une for mine in some stage ECE A = W(2) A= convoted by Fand reih. (E K - finite cutemin of Gp Le mar abelion enterne of K qyek Kapley 1-perfect field. of hor-A $A = Q_{k} \circ W(k)$ W(K) is commented

$$W(2^{\circ}) = \{\Sigma : p^{\circ} : X: (-1^{\circ})\}$$

Since to

$$2^{\circ} [u]$$

$$1^{\circ} = u[(t_{1}) = h(t_{2})] [f']$$

$$W((2^{\circ})) is since to
$$U(1^{\circ}) is since to$$

$$U[t_{2}] [f_{2}] [f_{2}]]$$

$$Z [f_{2}] u]]$$

$$Z [f_{2}] u]]$$$$