Posted en Cenvers: Possible topies for final project

The method of formal group lever:

X+FY & R [[xiy]]

 $x +_{F}0 = 0 +_{F}x = X$ $x +_{F}y = y +_{F}X$ $x +_{F}(y +_{F}z) = (x +_{F}y) +_{F}z$ $x +_{F}0 = 0 +_{F}x = X$

The lasered ring:

L = 2[a,j]/white making x+fy an FGL

write Xify = [aij'ing). Moylan of vings L-) R) = Fol's on R mistate for og.

Theorem: L = T + M H = N complex

In the focuse: L = 2 [x1, x2, x3,...]

On ROQ, my two FOL's F,6 are strictly nominghine. There exists a news h(x) = x + m, x2 + m, x3 + ... h(x)+2 h(y) = h(x+=4).

Applying this to E=114: Giving any strict isomorphism

f

f

Anhitrary series X + c, X² + c, X² +

Conincerly law the conflict orienteths of 114

15 equalled to young a map of way pects MU -> MU.

(in Depuths)

If we excify a prime p, when we computed TI, TIM; (or TI, MUGI), we had there distinguished element va of dim 2pt-1)

To come from Est in the Albert spectral regions.

Found group laws over ROZ(p) = R[n-1]p/n]:
There is a very to get vid of all but logarithmically many coefficients of an FGC.

An FGLF is called p-typical if (oner a torson-free wing) $lg_{f} x = x + l_{1}x^{p} + l_{2}x^{p^{2}} + \cdots + l_{n}x^{p^{n}} + \cdots$ Over a Zpp-alghung every FGL is isomorphe
to a fe typical FGL. (TI a 4 Theorem: to a fer typical FGL. (If R tousin fee, the normaphon is unique) Proof shitch (tourise fue case): les loggex = X+M, X2+...

The iromoughum is lose (log, x)

we franks have

logen + ly, x

So let's affly this to the localization MU(p) = MU/17/11. =(h) whim MU -> MU -> all integral not distribe Then exists a ving map which consposeds to the chick somether F - 6
mirard prefets of 1764)

The inverse prefets of 1764)

Fel by the unqueness of the isomorphism, a is idenyofint: $e^2 = e$ up to hometoy in come (h) ohm (nup) - Mup -= Tre Myp1 = (2(p) [v1, v2, v3, ...] of the log

of the In homstop theory, |Vk |= 2(pk-1),

The spectrum ettles is denoted by BP (the Brown-Peterson spotrum)

14 BP = 2(p) [v1,v2, ...]

Hyp, Br = Px (3 direct construction of BP

Spanier: Sportal seguence my obstroction

? What is the meaning of on

(one problem: 12,1=2/pu-1), depends

Nevertheless, v, is related to Both periodicity.

Speculation: vz jus related to Conformal field Herry,

on analysis on loop space.

But we do know a ulationship hetween va and number fluory. I behin-tote FGL's pradic geometry. I bead does field theory.

We can construt generalised complex-orientel colonologs theories with the labin. Tate FGLS.

builting hade of stable homestops grangs