( RO(6)-greded (4) howology Complex-oriented L-equivavant spectrum E:

every 6-equineraul complex vector hundle is E-orientable.

For H & G, EH is (V-2dimeV) periodic for every to finite-dimensional complex H-upresentation V. Journalto

Equivariant formal group laws: Assume that 6 is finite abolian. Then it can be shown that E complex orientable ( ) the universal

6-equivrient comple line hundle is 6-evienteble.

Vlat pare classifies 6-equipment et line hombles Scholed alls exivaint CP6 = { cx. line through the night in the complete univerself

∞ Γε(<sup>t</sup><sub>t</sub>
 ⊕ Γ

6 = {4:6 3 (x)

A fleg in U: 1, 1, 1, 1, 1, .... E 6\* U= L, & L, & L, B ···· Y'G universal line burnolle on Cras EPG # E\*[[x]].

| Sommutative ving R is the Ender chas of

| E { { | |, x\_{L\_1}, x\_{L\_1}x\_{L\_2}, ..., | x\_{L\_1}x\_{L\_2}, ... | } } } 
| You will be a first of the second o  $E^*CP_G^* \neq E^*C[\times ]].$ We put Va = Lion DLm E (+) = A Sanku... xu X / = X (, ' ~ ' X ()

6-tyriowand FGL comes from CPC x CPG -> CPG

(4) = E-ven (4) Axious of 6-equivariant FGL: Commutative ving A, commutative A alpha R Eva (cro) · ugular element X & R, R/(4) = A

• Sipperis a commentative (affine) formel group scheme « ideal of deles over god 1) · R ha an ideal ICR, R= lim (R/In) · y: R -> ROR = E\*(CPG × CPG) A = lin (R/IM @ R/I a)

(invese, but follows)

· A homemosphim of formal group schemes A: GA - Spf(R)

• The ideal of definition  $I = (T \times L)$ where X = XL).X

(Cros ) = I Cros

Good things that hopen: (( finite abelian) can be compared lie (DE comple overted G-yestren =) (Earen, Elm (OPG))

15 a 6-equivariant formed group low

(2) There is an equipment larged viry La Home (Le, A) = 1= lanes of 6-equiv. FGL's (A,R)]

3) La = (MVG)\* O complex colordisses