Equivariant topology led b be a compand l'e group. (l.g. a finite gray) The softing: A f- space X accocative unitel. $G \times X \rightarrow X$ 6-CW complex: 2 = U ZA 2, = 2, 5 In = " set of m-cells" ie In: H = 6 loved phycomp 16[m 0/H; x 5 4-1

but In is a f-it, you is 6-equipment. Cut-complex where to act by all maps, in trop contact

A 6-weak equinleno of yaces: A 6-equinament map f:X->Y and that for H = 6 closed, if H: XH > YH is a week equivalence.

The cology of 6 pages and 6-homotopy Whateheel theorem: For 6 comput his, his-years have who calisation.
in G. Cul-complies with upon to weal equalise. O For a 6-pour X there sents a 6-led-complex X' and 6-field abovedle equivalence $\chi_X: \chi' \xrightarrow{\sim} \chi$ (2) If Z v a 6-W comple and e: X - Y " a 6-west yes release then [7,X] [2,Y] (6-homothy closes of make 6-rector bundles: For a 6-year X, a (say, complex) rector hundle en X (say, complex) A 6-aith or E, fileswise linear, commuting with &.

universal shi group in a commutative recorded

Atigh: For a compact G-Gu complex X,

vector

KG(X) = K(1 = choses of 6-complex hudles in X1, @)

without hadles Equipment both periodicity: JKG (X) = KG(X)

Enzy define this as

Thom you of a 6-vertire hundle on X

whyoup of violand hundles of dim. d.

Ja particular, a "trovial huendle": X × Y a complex f.d. disjoined

6-year

Those Three: S'AX+

11. So in particular, we have $\tilde{\mathcal{K}}^{o}(S^{\vee}X_{+}) \cong \mathcal{K}^{o}(X)$ Briefly molining the proof of Atigate, may inche is relevant: 6 not ablow, dim V > 1 (mot all ineducible representations are I-dimension) The Roll class: §: E -> X compler 6 - hundle $\tilde{K}_{c}^{0}(X^{\sharp}) = K_{c}^{0}(E_{i}E_{i}X)$ a finite chain complex of vector hundles an E which has O homology when whiched to EX. Bell clip: $y^{\epsilon}: \bigvee_{x} \in \xrightarrow{y_{x}} \bigvee_{x} \bigvee_{x} \in \xrightarrow{y_{x}} \bigvee_{x} \in \xrightarrow{y_{x}} \bigvee_{x} \in \xrightarrow{y_{x}} \bigvee_{x} \bigvee_{x} \in \xrightarrow{y_{x}} \bigvee_{x} \bigvee_{x} \in \xrightarrow{y_{x}} \bigvee_{x} \bigvee_{x}$ L'herwre ue E The Boll clas: λ_E Hm (!, I) VC = Vn' o... O Vn where we can

Atiyah's penindrate Hom: ? O NE: Kc(X) => Kc(E, E.X). To prove this, he constructs an inverse. He also considers the file wise Larroline nece: P(IP) There of E) proprétive poer: P(EDI) - make il into a propetive year ly adding de (n-1). d'inventand propertion parce at as. $K_{\varepsilon}^{\circ}(F_{\varepsilon}, K) \longrightarrow K_{\varepsilon}^{\circ}(P(\varepsilon \otimes I))$ Ex Ko (P(EOI), Ple) which > 2 (-1) k x k ⊗ Nk(E) Liberrose over a line in a file of ED | Il au (h, l)-forms Afigale deferes a c. C. hundle on X, the states file-wise.