Monday, April 14, 2025 9:02 AM

Coefficients of stable 6-equivarious cohordism (NU_G)₄₄, 6 finite abelian group

= 6-equivariant lamed ving L_G. For a commutative ving A,

Mr. vings (L_G, A) \cong d \cong classes of 6-equivariant FGL (A, R)}.

Explicitly; the Hustine of La.

let U he a complete 6- universe, a complete flag:

U= l, 0 lz \$ [, 0 ... ← confairs every element of 6 de so many times

Y= 40 ... 0 L

XLM E R XVA = Xy XLM

~ conspond to Thom classes of (univ. line hable on Cra) & La

R = A{{\delta_{0}}, \dark_{0}, \d

 $R \rightarrow R/(x) = A$ $x_{\perp} \longrightarrow u_{\perp}$ Euler than

equivered and of F(g,2)

on selection of complete stag (V.) X IN STATE OF THE What if I mostitute while 6 additions Z [aij, u | Le G] Julitions West are there celetions Recell non- y wood vantly: The layand way L = 7 (a.j.) / ulestions of of I subolitate up $R \longrightarrow R/x = A$ I get on infinite series "containing 0 = u_{0 < 6}* with polynomial conffs. in the uis. is the free X+FUL = I Par(ulled) XVan a, h = a, k Cuffering and by any (u) (cc+)

Toward Hill - Hophins - Raward estation of Kermine 1

Real wholding

First, let us discuse Real K. theory KR. wy is R capital?

First, blif not be: outlogonal K-theory KO. Finite Cw-complex X,

KO°(X) = K { \center charges of J.d. real vector bundles on X}

N = analogous to the complex can

[X, Bo × &] = curlored bennotopy classes

of rups

What about Both periodicity! More complicated: 18 BO x X ~ BO x Z

There is
on algebraic

topology proof,
write down mass

(Clifford algebras)
show = in homology
H- Marces

kere S.S.

Un/o = Bo × So Un/o = o/n Un/o = o/n Un/o = o/n Un/o = o/n

Spa = compart form of

Montledie grant;

Mx a quoternion matil as

"Orthonormal" in the

Sure of gusternions.

Paper by Atiyah: K- Heory and Kenlity We compder a genuine 2/2 - equivorsant poetrum KR.

Application of equipment of techniques to a non-quironout question.

can use it to directly prove 8- periodicity

From there: MR, multipliative rom, HAR