

add exercises & refs.

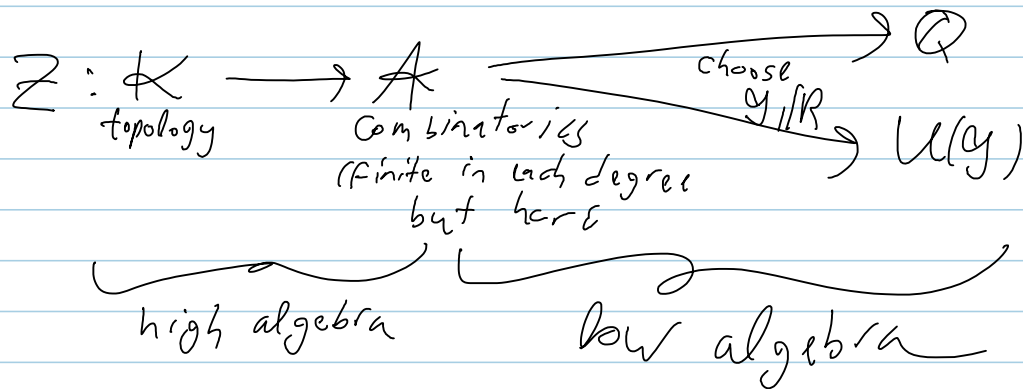
Low algebra and high algebra for

Part II: $A(\uparrow)$ is "universal representation theory"
 low algebra universal

$A(\uparrow, \uparrow, \dots, \uparrow)$ and ops.

Part III: KTGs & High algebra.

1. Introduction:



2. Very low algebra.

Exercise: $gl(N)$, relation to Conway.

3. Universal enveloping algebras.

* relation w/ rep theory. "universal rep theory"

* Has a co-product [so reps can be tensored].

Exercise: Find a basis to $U(2D)$

4. Low algebra for $A(\mathbb{P}^n)$
... so $A(\mathbb{P}^1)$ is univ. univ. rep theory.
5. Δ on K, A, U .
6. Homomorphic expansions & high algebra
in the abstract.
7. Follow old HUII handout.
w/ some added boxes:
 - a. Algebraic knot theory
 - b. The VI relation
 - c. The pentagon.

Ref. Danco - B-V.