AKT-091027, Hour 19: u-High Algebra

October-26-09
5:33 PM

We are here:

	u	v	w
Top	X		
Comb	X		
Low	X		
high			

High Algebra:

We seek a homomorphic expansion from the TG-algebra K^{TG} to the TG-algebra $\mathcal{A}^{TG}$.

huh? (5) huh? (4) huh? (3) huh? (1) huh? (2)

Reality: Only (1) and a part of (2) were done — namely, (2) was done sans the TG-algebra structure.

Today

Why bother?

1. General optimism in the pursuit of aesthetics.
2. Potential usefullness via "Algebraic Knot Theory".
3. Reduction of the "Fundamental Theorem" to a "finite" (high) algebra problem.

Next week

Thursday: Dancso on the Kontsevich/Le-Murakami^2-Ohtsuki/BN-Dancso solution of the problem.

http://www.math.toronto.edu/~drorbn/Gallery/KnottedObjects/BUKTG/BUKTG-4.html

(Say hello to Dylan Thurston)

http://www.math.toronto.edu/~drorbn/Gallery/KnottedObjects/EmbeddedTrivalentFence.html