

Monday-5 AKT on 140203: 4T, the Fundamental Theorem and universal finite type invariants

January-27-14 8:45 AM

HW2 returned! HW3 due! HW4 on web!

1. $V(\overrightarrow{X}) = V(\overrightarrow{X}) - V(\overrightarrow{X})$, V is "type n " if $V(\underbrace{X \cdots X}_n) \equiv 0$

2. $V|_{X_n/X=X} =: W_V : \left\{ \begin{array}{c} \text{diagram} \\ n\text{-chords} \end{array} \right\} \rightarrow A$

3. $W_V(\bigcirc) = V(\overrightarrow{X}) - V(\overleftarrow{X}) = 0$ "FI"

4. $0 = \left\{ \begin{array}{c} \text{diagram 1} \\ n-2 \end{array} \right\} - \left\{ \begin{array}{c} \text{diagram 2} \\ n-2 \end{array} \right\} \Rightarrow$

Complete 4T, define A_n^r & A^r , A_n , A

The Fundamental Theorem.

Define VFTI / expansion

Thm F.T. $\Leftrightarrow \exists$ VFTI

a tabulation of $\dim A_n$
(done only to $\log 2$)

done
line

start w/ bracket-ise.