

17-1350-AKT Tue Mar 21: Brute Hour 11: The g_1 Invariant, continued; Gentle Hour 16: Bracket-rise and Lie algebras, continued

January 19, 2017 2:20 PM

Brute Part:

Follow 170321-g1Invariant.nb and 170321-Polishedg1Invariant.nb

- * Yet another differentiation trick
- * Implementation
- * Apologetic polish. done like
- * K & the cups.
- * Some computations.

Gentle Part:

1. $A^c \cong A^+$ review.
2. The relationship w/ metrized Lie algebras.
3. PBW.

Examples: 1. $g_0(w)$
2. h iff $\langle h, l \rangle = \langle e, f \rangle = 1$,
all else = 0.

→ replaced with a discussion of associators; see BBS.