## GWU-1612 Talking Points

December 11, 2016 7:19 AM

This is the 1-hour version of a talk I gave in Angust in 4 hours and then 4. times in 2 hours hours my abstract is a bit brigger labourt

Abstract. Whether or not you like the formulas on this page, they describe the strongest truly computable knot invariant we know.

Right after speaking the abstract, a word about how \rho\_1 arose:

Seni-simple Lie Workers are sums:

so the backet decomposes into 8 pieces, can scale some 3 of Them by E. Get "9 with faded 6"

Why Joesn't any body talk about it?

1. mostly people don't know.

2. At invertible E, get un isomorphic result.

3. At E=0, get wilder knots & the Alexander poly. 4. At Ek=0: vdv & I are lucky Lustands ?

Why is it good?

1. "approximate of sht"

2. Yet solvable, so all formales get simple.

Aside: You may think that she formulas are already

a. Muliphying exponentials in U(B) is impossible.

b. Instead, people work W/ rep theory.

C. But thin everything in knot theory is exprimed

BTW, in sh, bt=<F7, b=<e7, 2h=<h,07

.... On to the description of what comes out For Sh ht 67=0-