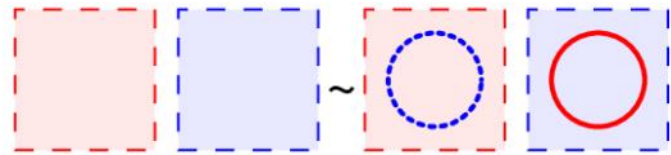
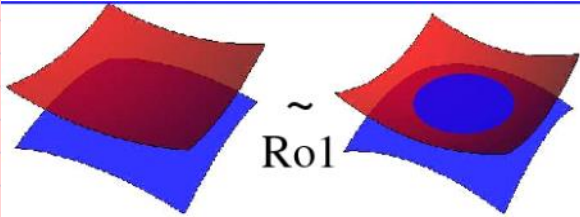
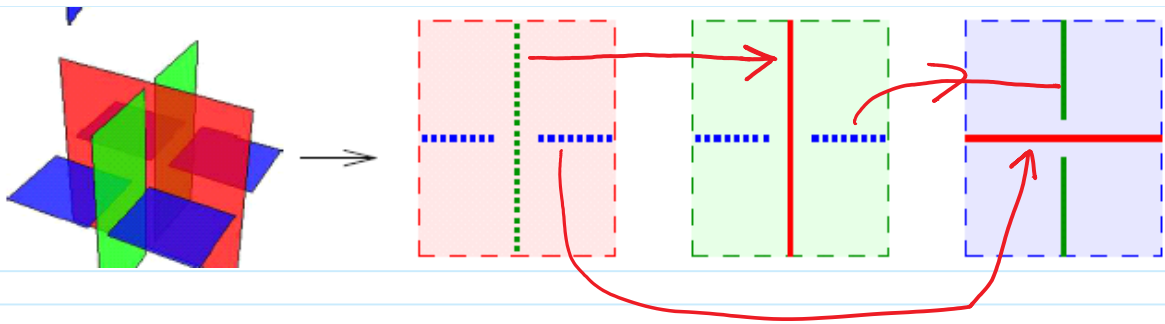


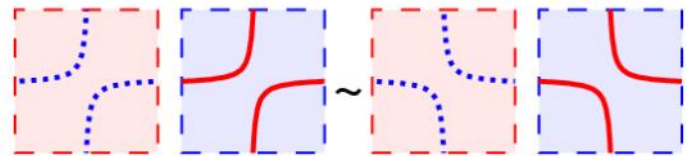
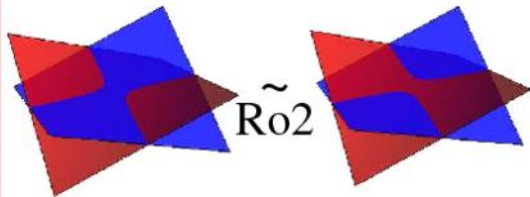
# Finite Type Invariants of Virtual 2-Knots

February-25-14 8:39 AM

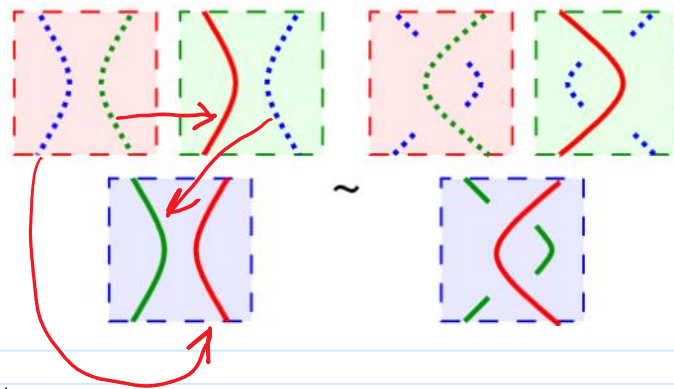
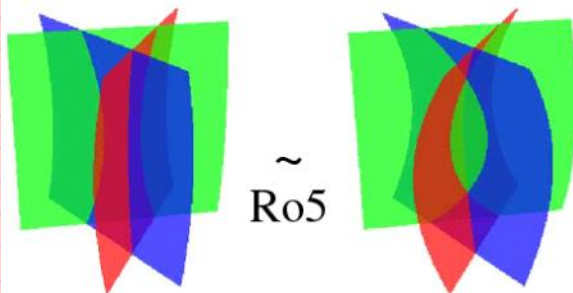


$$\Rightarrow \textcircled{\text{E}} \rightarrow \textcircled{\text{E}} = 0$$

"E" for "Empty".

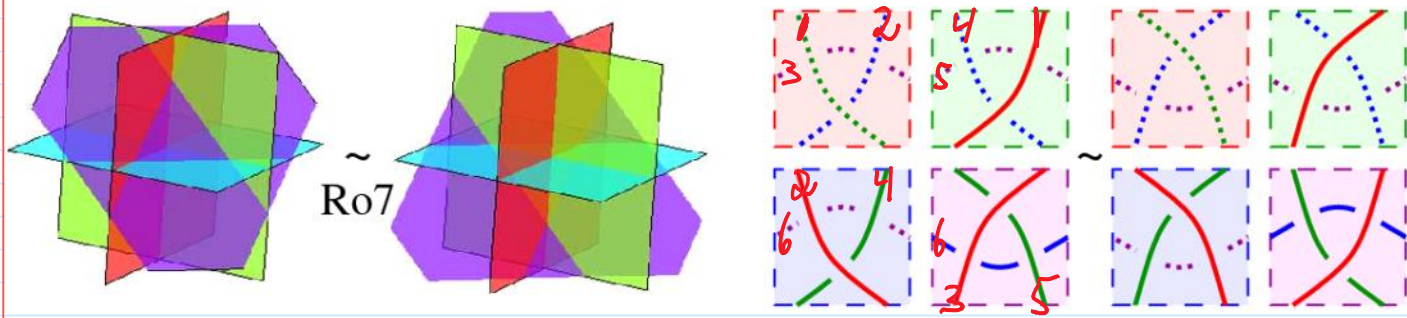


$$\Rightarrow \textcircled{\text{L}} \textcircled{\text{R}} = \textcircled{\text{L}} + \textcircled{\text{R}}$$



$\Rightarrow$  A  $\underbrace{\text{6T}}_{\text{in degree 2}}$  relation which becomes a 4T under some "over-crossings commute" relation.

Does BF satisfy an OC relation? (so it seems).



$\Rightarrow$  In degree 3, an fT relation  $R_{fT}$  reduces to a 4T modulo OC.   
↑  
maybe