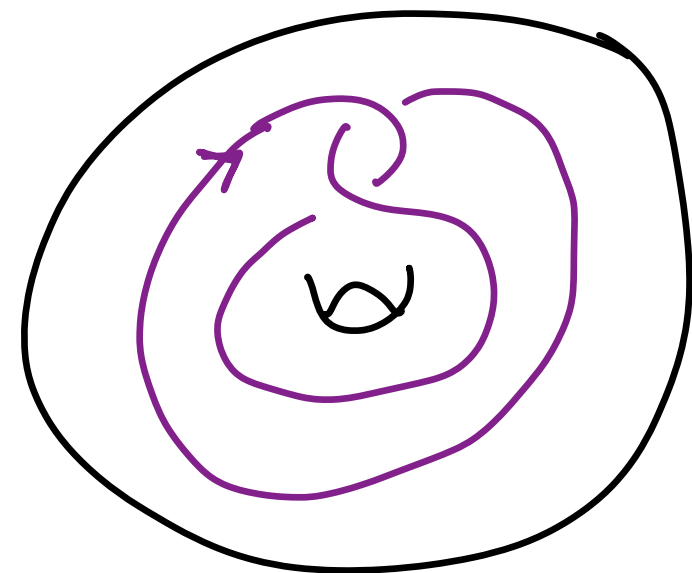
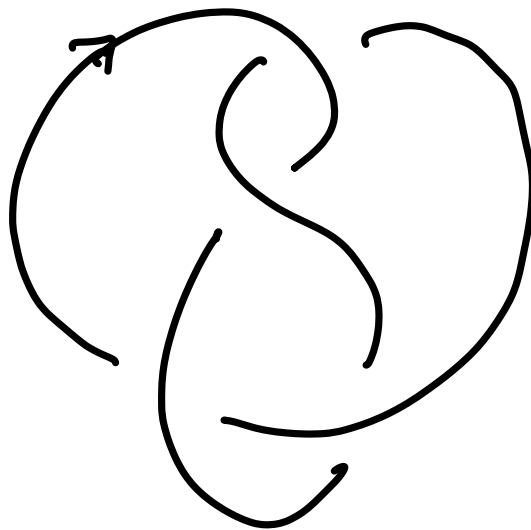


The satellite construction



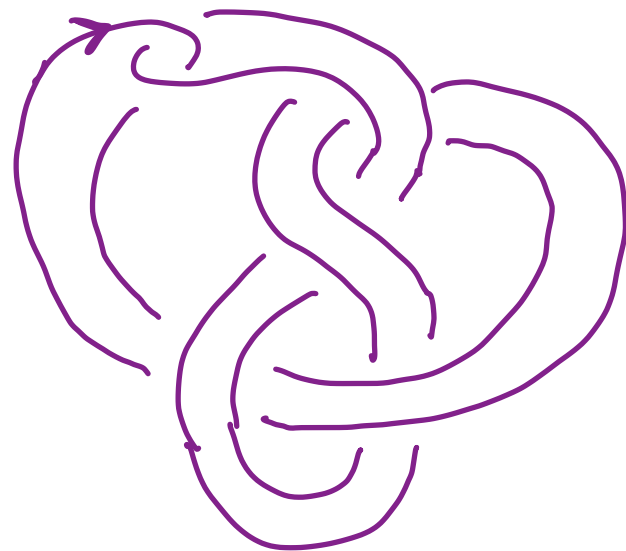
$P: S' \hookrightarrow S' \times D^2$

"pattern"



$K: S' \hookrightarrow S^3$

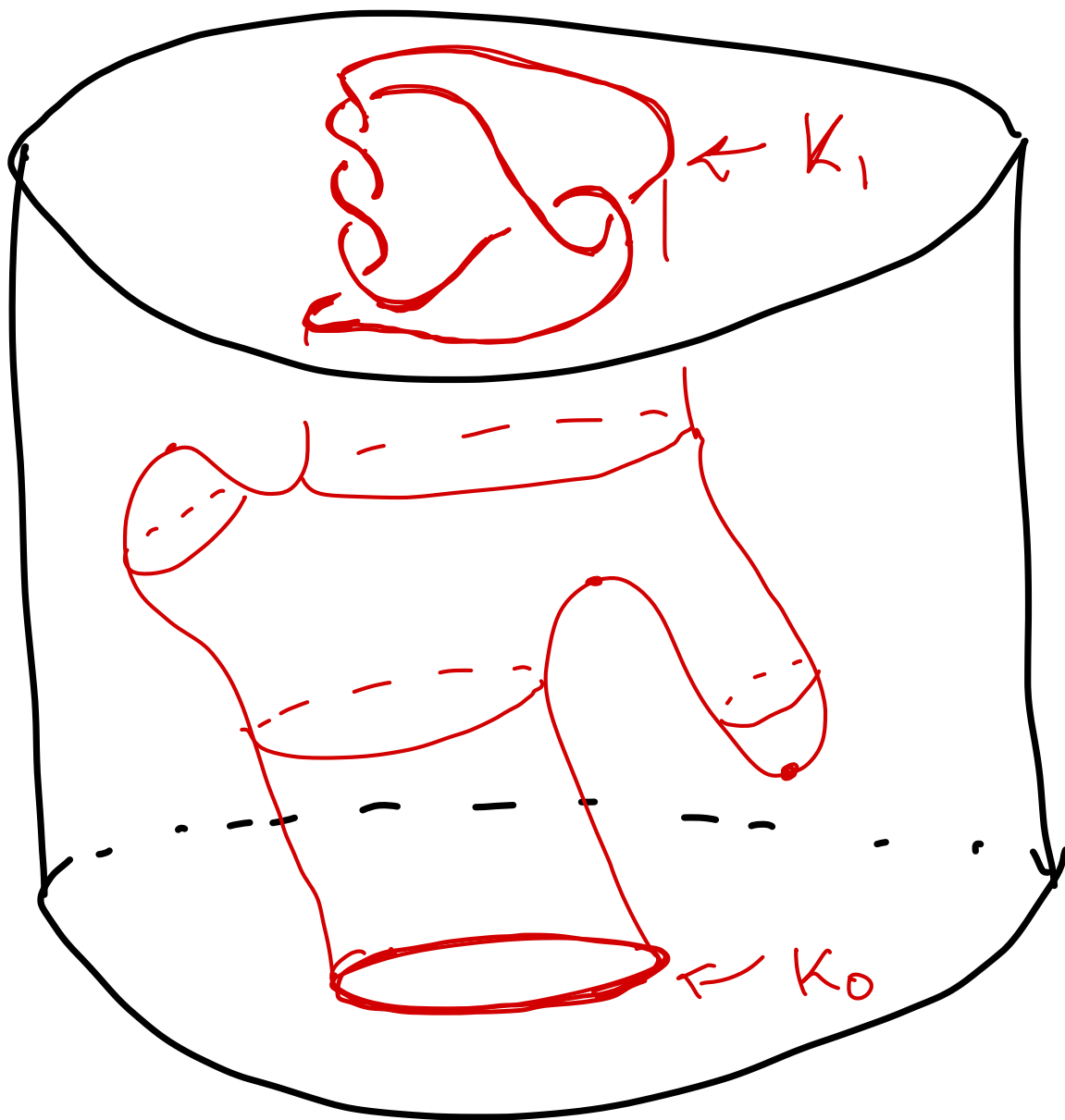
"companion"



$P(K): S' \hookrightarrow S^3$

"satellite"

Knot concordance



$$S^3 \times \{1\}$$

$$S^3 \times [0, 1]$$

$$S^3 \times \{0\}$$

Winding number

