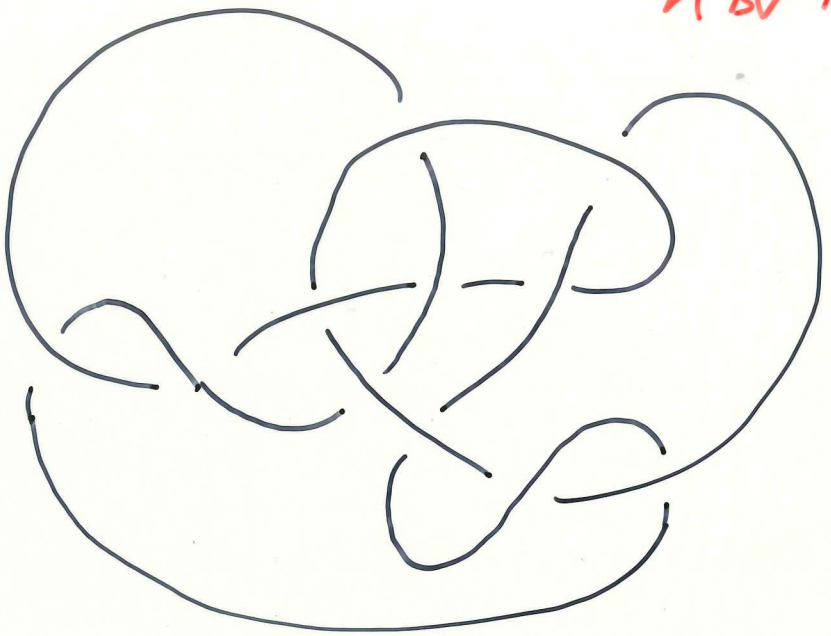
The Kinoshita-Terasaka knot

KT - knot



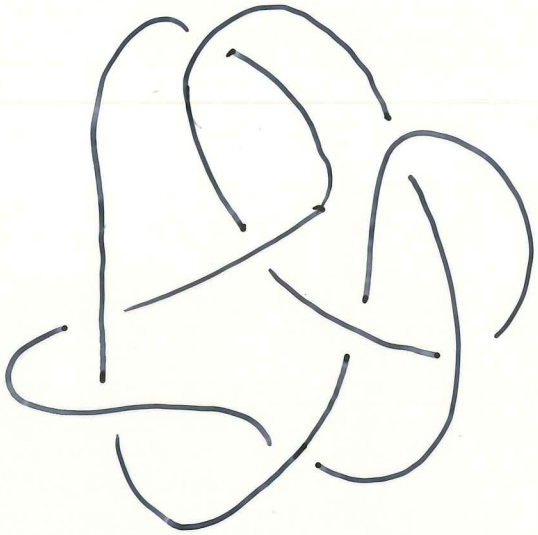
$\Rightarrow \quad \Delta_{KT}(t) \equiv 1$

although $KT \neq$ unknot

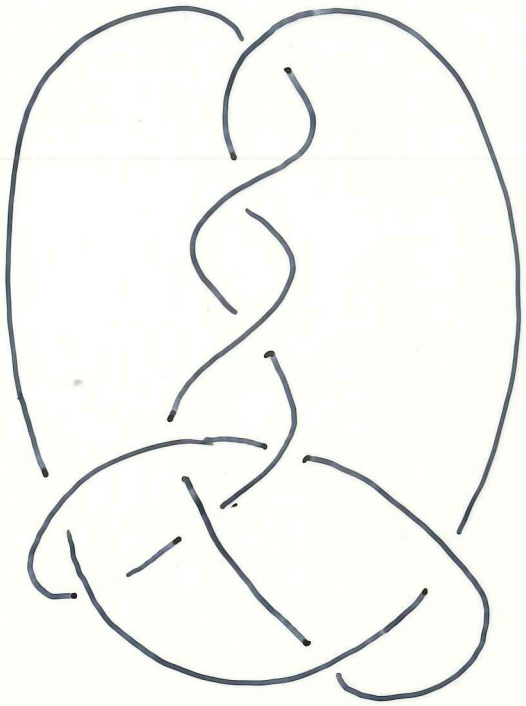
- $V_{K_1}(t) = (t^{-2} - t^{-1} + 1 - t + t^2)^2 = V_{K_2}(t)$
- $\Delta_{K_1}(t) = (t^{-1} - 3 + t)^2$

  $\Delta_{K_2}(t) = -t^{-3} + 3t^{-2} - 5t^{-1} + 7 - 5t + 3t^2 - t^3$

$\Rightarrow \quad K_1 \neq K_2$



K_1



K_2

- $V_{K_1}(t) = V_{K_2}(t)$
- $\Delta_{K_1}(t) = \Delta_{K_2}(t)$
- but $K_1 \neq K_2$