

Local information at classical crossings of virtual knots and knots in $S_g \times S^1$

Seongjeong Kim¹

¹*Jilin University*

November 18, 2021

In knot theory mathematicians construct and develop knot invariants by using local information, for example, crossing sign, self/mixed crossing, parity and so on. In this talk we introduce local information at classical crossings and the motivation to study knots in specific 3-manifold $S_g \times S^1$.