Quantum Topology Seminar

A study of finite type invariants of higher-orders of classical and virtual knots

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Abstract: The filtration of the original Vassiliev invariant is well studied in view of clasper theory (e.g. Goussarov, Habiro for knots, Stanford, Kohno for pure braids). However, for virtual knots, even filtration of higher-order is still unclear though it is known that the notion of virtual knots are useful to obtain classical and virtual knot invariants. This talk is based on a joint work with Migiwa Sakurai (arXiv: 2004.14785). Reference: N. Ito and M. Sakurai, arXiv: 2004.14785, published in Topology Appl. (2019)