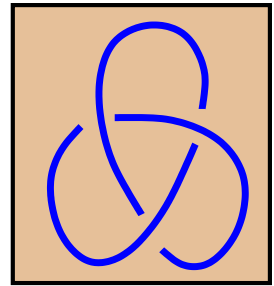
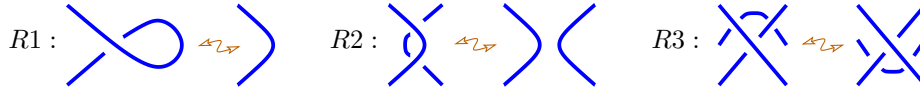
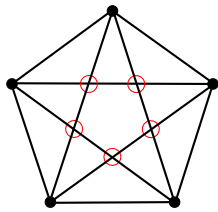


Links [Ad].

Link diagrams up to planar isotopy and Reidemeister moves:

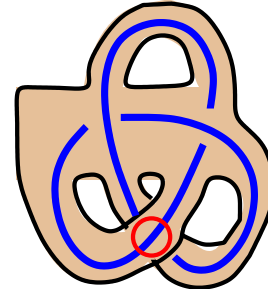


Knot diagram



Virtual crossing

Virtual links [Ka].



Virtual knot

Virtual Reidemeister moves:



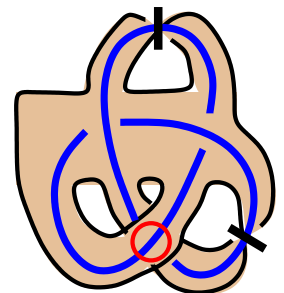
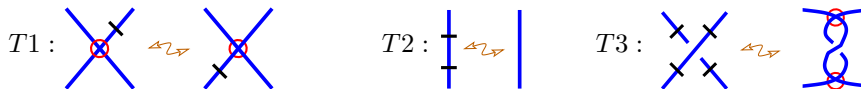
Forbidden moves:



Welded links: $(R_1, R_2, R_3), (V_1, V_2, V_3, V_4), F_1$.

Twisted links [Bou].

Twisted moves:



Twisted knot

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- [Ad] C. Adams, *The knot book*, AMS, 2001.
- [Bou] M. O. Bourgoïn, *Twisted link theory*, Algebraic & Geometric Topology **8** (2008) 1249–1279.
- [Ka] L. Kauffman, *Virtual knot theory*, European Journal of Combinatorics, **20** (1999) 663–690.