

TGTC 2020: TITLE AND ABSTRACT

Encoding knots by clasp diagrams

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Abstract: It is often thought that a knot is "generated" by its crossings much like a braid is written as a product of "half-twists". Pure braids have a better (in some ways) presentation in terms of "full twists" and, in fact, a similar encoding exists for knots. I will describe the analog of the Reidemeister theorem for this presentation of knots and indicate some possible applications. This is a joint work with Michael Polyak.