

The quasipositivation number of a knot

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Abstract. All quasipositive links can be realized as transverse intersections of complex plane curves with the standard sphere, and the converse is also known to be true if defining polynomials are non-constant. In this talk we study the Gordian distance from a knot to the set of quasipositive knots that we call the quasipositivation number. In general, it is not easy to detect even quasipositivity. We estimate the number by using the Rasmussen invariant.