Polynomial representation for non-compact knots

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Abstract. In this talk I will discuss the polynomial representation for non-compact knots and elaborate on how to obtain them with a bound on degrees of the defining polynomials, for any knot-type. For this purpose, we use a recent theory of *quasi toric* braid representation of knots. In this talk, I will discuss this idea in detail and provide a method to obtain a degree sequence for a general knot type.