Covering link polynomials for generalized Kinoshita's theta-curve

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Abstract. Kinoshita's theta-curve $\theta(1,1,1)$ is almost unknotted theta-curve, that is, its constituent knots are all trivial. We consider generalized Kinoshita's theta-curve $\theta(i,j,k)$ by adding full-twists. In this talk, we introduce covering link polynomials to classify $\theta(i,j,k)$. We also mention influence on order-3 vertex connected sum of $\theta(i,j,k)$ and $\theta(i',j',k')$.