## An enumeration of non-prime theta-curves and handcuff graphs with up to seven crossings

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**Abstract.** We have enumerated all the prime theta-curves and handcuff graphs with up to seven crossings before. We can composite many spatial graphs by using "connected sum" of them. However, for spatial graphs, "connected sum" is not unique. In this talk, we enumerate non-prime theta-curves and handcuff graphs with up to seven crossings by using algebraic tangles and non-prime basic theta-polyhedra.