Local moves and Periodic knots

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Abstract. For each local move T, we can define the T-gordian distance for two knots. Our motivation is to research a relationship between the periodicity of knots and T-gordian distance. In this talk, we pay attention to C_n-move as T. In fact we show that for any p and any $n(> 2)$ there exists a periodic knot of period p whose C_n-gordian distance to the trivial knot is one.