

On annulus twist tracks

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Abstract. A generic surface in 3-space can be deformed into another generic surface by a finite sequence of local moves. Some of these sequence can be viewed as projected images of isotopy deformations of a surface embedded in 4-space. We call such a sequence liftable. In this talk we will discuss about special regular homotopy deformations on an annulus called annulus twist track. We give a necessary and sufficient condition for an annulus twist track to be liftable.