

Transverse unknots in overtwisted contact structures on 3-sphere

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Abstract. It is well known that in a tight contact structure on 3-sphere, two transverse unknots with the same self-linking number are Legendrian isotopic. In this talk, a similar but slightly weaker result is shown to hold in an overtwisted contact structure on 3-sphere. More precisely, two transverse unknots with the same self-linking number in an overtwisted contact structure on 3-sphere are contactomorphic.