

1146-54-9

Andrew McCullough* (andrew.mccullough@gatech.edu). *Legendrian Large Cables and Non-uniformly Thick Knots.*

We will define the notion of a knot type having Legendrian large cables, and discuss the fact that having this property implies that the knot type is not uniformly thick. In this case, there are solid tori in this knot type that do not thicken to a solid torus with integer slope boundary torus, and that exhibit new phenomena; specifically, they have virtually overtwisted contact structures. We will give an example of an infinite family of ribbon knots that have Legendrian large cables which fail to be uniformly thick in several ways not previously seen. (Received October 18, 2018)