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**Bulent Tosun\*** (btosun3@math.gatech.edu), 686 Cherry Street School of Mathematics, Ga Tech, Atlanta, GA 30332. *On the Legendrian and transverse classification of cabled knot types.*

In 3-dimensional contact topology one of the classical problem is classifying Legendrian (transverse) knots in certain knot type up to Legendrian ( transverse) isotopy. In particular we want to decide if two (one in the case of transverse knots) classical invariants of this knots are complete set of invariants. If it is, then we call this knot type Legendrian (transversely) simple knot type otherwise it is called Legendrian (transversely) non-simple. In this talk, by tracing the techniques developed by Etnyre and Honda, we will present some results concerning the complete Legendrian and transverse classification of certain cabled knots in the standard tight contact 3-sphere. Moreover we will provide an infinite family of Legendrian and transversely non-simple prime knots. Some of these results are joint work with John Etnyre and Douglas LaFountain (Received January 18, 2011)