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Scott Baldridge* (sbaldrid@math.lsu.edu), 380 Lockett Hall, Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803, and **Ben McCarty**, University of Memphis.
Knotted Legendrian Tori in \mathbb{R}^5 . Preliminary report.

A special Lagrangian cone $C \subset \mathbb{C}^3$ can be characterized by its associated link $L = C \cap S^5$ (the link of the singularity), which is of interest to physicists when the links are minimal knotted Legendrian tori. In this talk we discuss new ways to construct knotted Legendrian tori in \mathbb{R}^5 in general and why these constructions make it easier to study their contact homology. (Received August 27, 2012)