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Toroidal Nematic droplets with radial anchoring ERIC DANCU, KARTHIK NAYANI, JAYALAKSHMI VALLAMKONDU, JUNG OK PARK, MOHAN SRINIVASARAO, ALBERTO FERNANDEZ-NIEVES, Georgia Institute of Technology — We generate toroidal droplets of nematic liquid crystals with radial anchoring condition at the boundary of the torus and the stabilizing yield stress medium. We discuss the two observed equilibrium states: the first being a non-singular twisted escape and the other case of singular +1/2 rings.

Karthik Nayani
Georgia Institute of Technology

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