

1081-51-103

Weiwei Wu* (wuxxx347@umn.edu), 127 Vincent Hall, 206 Church Street, Minneapolis, MN 55455. *On Lagrangian semi-toric singularities.*

We consider non-displaceable Lagrangian torus fibers in some semi-toric systems, In particular, we prove that these fibers are superheavy with respect to certain symplectic quasi-state. In particular, this implies that Lagrangian RP^2 is not a stem in CP^2 , answering a question of Entov and Polterovich. (Received February 03, 2012)