

- **Heller, Lynn: Rectangular constrained Willmore minimizers and the Willmore conjecture (205)**

We show that the well-known family of 2 -lobed Delaunay tori f^b in S^3 parametrized by $b \in \mathbb{R}_{\geq 1}$ uniquely minimizes the Willmore energy among all immersions from tori into 3 -space of conformal class (a, b) . As a corollary we obtain an alternate proof of the Willmore conjecture in 3 -space. This new strategy can be generalized to arbitrary codimensions provided a classification of isothermic constrained Willmore tori is possible and all f^b remain stable in all codimensions.