

1134-53-86

Xin Zhou*, Department of Mathematics, UC Santa Barbara, Santa Barbara, CA 93106. *Min-max theory for constant mean curvature (CMC) hypersurfaces.*

In this talk, I will present constructions of closed CMC hypersurfaces using min-max method. In particular, given any closed Riemannian manifold, I will show the existence of closed CMC hypersurfaces of any prescribed mean curvature. This is a joint work with Jonathan Zhu. (Received August 22, 2017)