Tight contact structures on hyperbolic 3-manifolds

Merve Seçgin

Uludağ University, Bursa, Turkey msecgin@uludag.edu.tr

Abstract

We show the existence of tight contact structures on infinitely many hyperbolic three-manifolds obtained via Dehn surgeries along sections of hyperbolic surface bundles over circle.

Keywords. Contact structure, tight, Stein fillable, open book, hyperbolic manifold This is a joint work with Fırat Arıkan