SEMINARIO DE GEOMETRÍA ALGEBRAICA

Martes 19 de julio de 2016, **13:30**, Seminario 238

Jing Tao

University of Oklahoma

Impartirá la conferencia

The diameter of the thick part of moduli space

Resumen.

Consider the set of hyperbolic surfaces of genus g with a universal lower bound on the length of the shortest curve. There are essentially two reasons for two such surfaces to be far from each other: combinatorial and geometric. I will explain what these two notions are and construct four interesting examples of hyperbolic surfaces that pairwise realize the diameter of the thick part of moduli space. Three of these examples will be constructed using trivalent graphs, and the fourth will be a variation of Buser's hairy torus.