

1173-57-129

Agniva Roy*, School of Mathematics, 686 Cherry St NW, Atlanta, GA 30332, and **John Etnyre**. *Symplectic Fillings, Cobordisms, and Surgery Realizations of Lens Spaces*.

The problem of understanding symplectic fillings of contact manifolds has long been of interest. In this talk we will discuss the complete classification of symplectic fillings of lens spaces. Along the way, we will discuss interesting corollaries and conjectures about contact lens space realisation and Stein cobordisms between lens spaces. This is joint work with John Etnyre. (Received September 18, 2021)