

1083-57-142

Amey Kaloti* (ameyk@math.gatech.edu), 686 Cherry St NW, School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30332. *Stein fillings of planar open books.*

Classification of stein fillings of contact 3-manifolds is an active area of research. Building on the work of Wendl on planar open books, we will classify stein fillings of virtually overtwisted contact structure on lens spaces $L(p(n+1)+1, n+1)$ for $p \geq 1, n \geq 0$. If time permits we will also talk about geography problem of stein fillings for contact structures supported by planar open books. (Received August 26, 2012)