Paolo Aceto and JungHwan Park* (junghwan.park@math.gatech.edu). Embedding lens spaces in definite 4-manifolds.

Every lens space has a locally flat embedding in a connected sum of 8 copies of the complex projective plane and a smooth embedding in n copies of the complex projective planes for some positive integer n. We show that there is no n such that every lens space smoothly embeds in n copies of the complex projective plane. This is joint work with Paolo Aceto. (Received January 22, 2019)