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**Paolo Aceto** and **JungHwan Park\*** ([junghwan.park@math.gatech.edu](mailto: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)