

1116-57-1369

**Jennifer Hom** and **Tye Lidman\*** (tlid@math.ias.edu). *Positive-definite symplectic four-manifolds.*

We will use Heegaard Floer homology to prove that certain simply-connected four-manifolds with positive-definite intersection forms cannot admit symplectic structures. (Received September 19, 2015)