

1023-55-1538 **E Eftekhary*** (eaman@math.harvard.edu), 1 Oxford street, Cambridge, MA 02138. *Floer homology and gluing three-manifolds along torus boundary.*

We study a generalization of integral surgery formulas of Ozsvath and Szabo to obtain a filtration on the complex they construct. We use it to study the Floer homology of the three-manifold obtained by gluing two three-manifolds with torus boundary along their boundary. (Received September 26, 2006)