1023-53-1691 **Adam C Knapp*** (knappa@math.msu.edu), A528 Wells Hall, Department of Mathematics, Michigan State University, East Lansing, MI 48824. *Computations of Floer Homology for certain Lagrangian Tori in closed* 4*-manifolds.*

We compute the Lagrangian Floer cohomology groups of certain tori in closed simply connected symplectic 4-manifolds arising from Fintushel-Stern knot surgery. These manifolds are usually not symplectically aspherical. As a result of the computation we observe examples where $HF(L_0) \cong HF(L_1)$ and L_0 and L_1 are smoothly isotopic but L_0, L_1 are not symplectically isotopic and are distinguished by $HF(L_0, L_1)$. (Received September 26, 2006)