

1042-57-230

**Matthew Hedden\***, 77 Massachusetts Avenue, Math Department, Building 2, Room 230,  
Cambridge, MA. *On the geography and botany of Ozsvath-Szabo invariants.*

I'll investigate which graded vector spaces can arise as the Ozsvath-Szabo Floer homology groups of knots and three-manifolds. In the case that a graded vector space is realizable, I'll examine the extent to which the knot or manifold is characterized by its invariants. (Received August 19, 2008)