

# Symplectic instanton homology

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I will present some new invariants of 3-manifolds, one for each simple, simply connected, compact Lie group  $G$  different from  $SU(n)$ . The invariants are constructed using Lagrangian Floer homology, and closely related to the symplectic side of the Atiyah-Floer Conjecture. This is joint work with Chris Woodward.

1:00 p.m.  
Math 507  
Columbia University