MSRI–Evans Talk

Monday, 4:10–5:00pm, 60 Evans

Aug. 31   **Yael Karshon**, University of Toronto
              Hamiltonian Group Actions

This talk is about symplectic manifolds equipped with compact group actions that are generated by moment maps. Such structures model symmetries in classical mechanics and often arise in purely mathematical contexts. The moment map encodes manifold information into polytopes and graphs. We will show how to obtain moment map "pictures" and how to use these pictures to extract symplectic geometric information.