LIVIU MARE, University of Toronto, Toronto, Ontario M5S 3G3
Quantum cohomology of flag manifolds and Toda lattices

The main goal of the talk will be to present recent results of mine analogous to a theorem of B. Kim which describes the quantum cohomology ring of the generalized flag manifold G/B in terms of the integrals of motion of a certain completely integrable Hamiltonian system of Toda lattice type.