

Harvard-MIT Algebraic Geometry Seminar

# Moduli of polarized symplectic manifolds

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In many ways irreducible symplectic manifolds behave similar to K3-surfaces, although it is known that the global Torelli theorem fails in general. Nevertheless, it is possible to relate moduli spaces of polarized irreducible symplectic manifolds to quotients of type IV domains by an arithmetic group. We analyse the situation and prove that certain moduli spaces of polarized irreducible symplectic manifolds are of general type. This is joint work with V. Gritsenko and G.K. Sankaran.

Tuesday March 11th

3:00 p.m.

MIT (4-149)