

State Counting and Topology with Quantum Modular Forms (Miranda Cheng)

Monday, 13 February 2023 16:30 (1h 30m)

Quantum modular forms are functions with delicate modular properties that generalize mock modular forms. The q -series 3-manifold invariants provide new insights and computational tools in 3-manifold topology, 3d SQFT, and M-theory compactifications. In this talk I will survey the relation between these q -series invariants and quantum modular form.