## JOSEPH GRENIER, Louisiana State University

Quantum Field Theory on the Sphere

In 2016, Dan Freed and Michael Hopkins explored the concept on Reflection Positivity in Topological Quantum Field Theory. In this talk, a TQFT will be developed on the sphere  $(S^2)$  through the use of Reflection Positivity and be contrasted with a constructive QFT on  $S^2$ .