

1121-81-30

Zhengan Wang* (zhenghwa@microsoft.com), 2237 CNSI Bldg. Microsoft Station Q, UC Santa Barbara, Santa Barbara, CA 93106. *Hamiltonian realization of (3+1)-TQFTs.*

3D topological phases of matter are modeled by (3+1)-TQFTs in low energy. I will discuss the Hamiltonian realizations of (3+1)-TQFTs based on G-crossed braided fusion categories by S.-X. Cui in a joint work with D. Williamson. (Received July 01, 2016)