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3D rank-0 N=4 SCFTs and non-unitary TQFTs

Monday, 31 May 2021 16:00 (1h 15m)

I will talk about a recently proposed correspondence between 3D rank-0 N=4 SCFTs and 3D non-unitary TQFTs. Using the basic dictionaries of correspondence, we derive the lower bound on F (3-sphere free energy), F >= -1/2 log((5-\sqrt{5})/10)=0.6429. The talk is based on arXiv:2103.09283.

Presenter: GANG, Dongmin (Seoul Natl. U & APCTP)