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[chair: Takuya Okuda (Tokyo)]

"(Topological) Twist and Scale vs Conformal invariance"

(Topological) twisting a conformal field theory admits more deformations than its original theory. We argue that such deformations often lead to scale-invariant but non-conformal fixed points. One physical example is to allow spin-orbit interaction in the Heisenberg magnet, leading to scale-invariant but non-conformal Aharony-Fisher fixed point. We show similar examples in Euclidean M2-brane holography, where the self-dual field strength plays a prominent role.