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Conformal dualities from unoriented gauge theories

Thursday 12 January 2023 10:00 (30 minutes)

We study various orientifold projections of 4d $N = 1$ toric gauge theories. We obtain superconformal field theories that have the same central charge, anomalies and superconformal index, whereas they were different before the orientifold. Some of these projections are implemented by a novel type of orientifold without fixed loci, known as glide orientifold. We claim that these theories flow to the same conformal manifold, and they are connected by exactly marginal deformations.

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