

The abelian duality web in 2+1 dimensions

Thursday, 19 December 2019 09:00 (30 minutes)

I will give an overview of dualities between non-supersymmetric gauge theories in 2+1 dimensions and describe a “gauging” procedure to derive new dualities assuming the validity of a “seed” dual pair. We will mainly demonstrate these ideas through example, focusing on a duality between QED3 and free fermions. If there is any time left I will mention some work in progress in using the gauging procedure to relate this to a duality derived from string theory.

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