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Higgs Branch and Hasse diagrams

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We look at the geometric structure of the Higgs branch of supersymmetric gauge theories with 8 supercharges in various dimensions. In particular, the partial ordering between different subspaces of the Higgs branch which can be neatly encoded in a diagram called a Hasse diagram. Recent introduction of magnetic quivers allows a very efficient construction of such diagrams, giving consistent (and more) information compared to the traditional method of partial Higgsing.

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