

Transition of Large R-Charge Operators on a Conformal Manifold

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We study a 3d $N=2$ supersymmetric conformal manifold using the large-charge expansion. The exactly marginal operator is shown to continuously interpolate between the “free” phase and the “superfluid” phase in the large-charge limit. We also discuss some novel aspects of the large-charge limit which appear in this model.

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