

## 6d superconformal Cardy formulas

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**Abstract:** We study the superconformal index of 6d SCFTs from their 't Hooft anomalies. In the Cardy limit where the angular momenta on  $S^5$  are large, we show that the leading free energy, as well as a few subleading corrections, can be computed from the 6d anomaly polynomials. Our large  $N$  free energy accounts for the entropy of supersymmetric black holes in dual AdS7.

### References

[1] Nahmgoong, June. "6d superconformal Cardy formulas." *arXiv preprint arXiv:1907.12582* (2019).