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## **Precision test of the gauge/gravity duality in two-dimensional $N=(8,8)$ SYM**

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We present a precision test of the gauge gravity duality in two-dimensional  $N=(8,8)$  SYM. We employ the Sugino lattice action to perform lattice simulations of  $N=(8,8)$  SYM at finite temperature. We show the evidence of validity of the duality conjecture by comparing lattice results with analytical predictions of the corresponding gravitational theory.

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