## A q-ANALOGUE FOR EULER'S EVALUATIONS OF THE RIEMANN ZETA FUNCTION

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ABSTRACT. In this talk, I will provide a q-analogue of Euler's formula for  $\zeta(2k)$  for  $k \in \mathbb{Z}^+$ . The result generalizes a recent result of Z.W. Sun who obtained q-analogues of  $\zeta(2) = \pi^2/6$  and  $\zeta(4) = \pi^4/90$ . We will also point out the recent work of Dawsey-Ono who obtained evaluations of the series we obtained at CM-points.

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