Abstract Submitted
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Bounds on heat transport in Rayleigh's and related models of Bénard convection[1] CHARLES R. DOERING, ANDRE N. SOUZA, University of Michigan, BAOLE WEN, The University of Texs at Austin, GREGORY P. CHINI, University of New Hampshire, RICHARD R. KERSWELL, University of Bristol — We present new upper limits on convective heat transport in both the full and several low-dimensional Galerkin truncations of Rayleigh's 1916 model of buoyancy-driven Bénard convection using both the so-called background method as well as optimal control variational techniques.

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