Abstract Submitted
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Holographic k-string Tensions in Higher Representations[1] BRADLY BUTTON, SEO JUN LEE, University of Iowa, LEOPOLDO PANDO ZAYAS, University of Michigan, VINCENT RODGERS, University of Iowa, KORY STIFFLER, University of Maryland, DIFFEOMORPHISM AND GEOMETRY GROUP COLLABORATION — We investigate holographic k-string representations in 3+1 and 2+1 dimensions of field theories dual to confining geometries of the Maldacena-Nuñez and Maldacena-Nastase supergravity backgrounds via D5 branes with world volume fluxes. The D5 brane tensions are computed in qualitative agreement with totally symmetric and totally anti-symmetric representations with results from lattice QCD and the Hamiltonian method used by Karabali and Nair.

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