

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

F-MAXIMIZATION AND COUNTING DEGREES OF FREEDOM IN 3D

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Jan 23, 2013, 4:00 – 5:00pm
Dept of Psychology, Room B49
64 Cummington Street, Boston

Tea: 3:45pm in Room MCS 144

Abstract: I will describe how in interacting conformal field theories in 2+1 dimensions, the sphere partition function provides a measure of the number of degrees of freedom that obeys $F_{UV} > F_{IR}$. In theories with 4 supercharges, I will show how this quantity may be calculated exactly. This furthermore leads to a method to exactly determine the superconformal R-charge.

See <http://math.bu.edu/research/geom/seminar.html> or contact Si Li sili@math.bu.edu for more information.