

# Theory Seminar

Monday, February 20, 2012 2:10 PM 831 Pupin Hall

## 6D methods for 4D superconformal field theories

I will present a manifestly covariant formulation of four-dimensional conformal field theories (CFTs) with  $N=1$  supersymmetry. These methods are a supersymmetric extension of the covariant description of CFTs based on a six-dimensional light cone description of four-dimensional conformal transformations. Applications to Green's functions and to the operator product expansion of superconformal invariant quantum field theory are discussed.



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