

The Effective Bootstrap

Friday 1 July 2016 10:00 (1 hour)

We study the numerical bounds obtained using a conformal-bootstrap method where different points in the plane of conformal cross ratios are sampled. In contrast to previous methods, we can consistently integrate outⁿ higher-dimensional operators and get a reduced simpler, and faster to solve, set of bootstrap equations. We test the effectiveⁿ bootstrap by studying the 3D Ising and $O(n)$ vector models and bounds on generic 4D CFTs, for which extensive results are available in the literature.

Presenter: SERONE, Marco (SISSA)