

Bootstrapping 3d CFTs with $O(N)$ symmetry

Thursday, May 23, 2024 3:00 PM (1 hour)

In this talk, I summarize various numerical bootstrap studies on CFTs with $O(N)$ symmetry. These bootstrap problems are translated to very challenging computational tasks, and several advanced numerical techniques have been developed to address the challenges in recent years. I will review these techniques and discuss the $O(2)$, $O(3)$, $O(5)$ studies and the implications for relevant physics questions.

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