THE QUANTUM SPACETIME SEMINAR SERIES

Conformal bootstrap with spinning correlators and GNY models

(Zoom Seminar)

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Zoom link shall be shared separately

Since the original papers on numerical conformal bootstrap, a lot of work has been done on bootstrapping CFTs using crossing symmetry of four-point functions of scalar operators. Analyzing crossing for operators with spin is a much more technically challenging problem, and considerably less has been done. Recently we have developed new algorithms and software tools for solving such problems, which to a large extent trivialize the main challenges in 3d. In this talk I will discuss these recent technical developments as well as a current work in progress on applying them to the 3d Gross-Neveu-Yukawa models.

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