Bootstat 2021: Conformal bootstrap and statistical models



ID de Contribution: 4

Type: Lecture / lecture series

Critical behavior near structural phase transitions

mercredi 19 mai 2021 10:00 (1 heure)

SrTiO₃ and LaAlO₃ undergo structural phase transitions from a cubic trructure to lower symmetry structures. These transitions can be affected by uniaxial stress. Following original work by Alex Mueller, I have worked on these transitions since 1973. Many details depend on whether the 3-component cubic problem is dominated by the isotropic or by the cubic fixed point. Most of the past literature assumed that the former dominates. Following discussions with Slava Rychkov, I realized that it is now believed that the latter wins. This talk will discuss the consequences of this change, and the experimental possibilities to test it.

Auteur principal: AHARONY, Amnon (Tel Aviv University)

Orateur: AHARONY, Amnon (Tel Aviv University)

Classification de thématique: 3. Structural phase transitions and other unitary problems