



題目: CFTs in Higher dimensions

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日程(Dates):

12/24 (木) Dec. 24 (Thu) 10:40-12:20, 14:20-16:00

12/25 (金) Dec.25 (Fri) 10:40-12:20, 14:20-16:00

12/26 (土) Dec.26 (Sat) 10:40-12:20, 14:20-16:00 (Seminar)

場所(Place):以下で参加登録し、Zoom URLを取得すること。

<https://zoom.us/meeting/register/tJYsc-GqrDwvHdN8JPboM3tmkotNweHir0aU>

<講義概要, Abstract>

At the second-order phase transition, many physical systems show not only scale invariance but also conformal invariance. In this lecture, we study basic knowledge of conformal field theories in higher dimensions than two. It includes the structure of correlation functions, representation theory of conformal algebra, and properties of conformal blocks. We use them to set up the numerical conformal bootstrap program to solve the three dimensional critical Ising model.