

ICTS String Seminar

Title : Information theoretic measures in 2d CFT and their universal properties

Speaker : Justin David (Indian Institute of Science, Bangalore)

Date : Wednesday, 2 December 2020

Time : 03:00 pm (IST)

Abstract : We begin with a brief review of measures such as entanglement entropy, relative entropy and techniques to evaluate them in 2d CFT. We then study the properties of these measures when the theory or the state on which these measures are evaluated are deformed by the symmetries of the theory. The symmetries we focus are the Virasoro symmetries and higher spin symmetries. We present 2 situations for which the deformations result in universal corrections to the information theoretic measures.

[ICTS virtual seminar](#) : Please register at
<https://docs.google.com/forms/d/e/1FAIpQLSf0jLgoqiOgDnxbEBGiulWiOmh9WX8caH-pr13qDBZOO911mg/viewform>

(Links to join the seminars will be sent to your registered email address)

Recordings of past talks can be found here:

<https://www.youtube.com/channel/UCw9LdPQ5t7Q7muD0qzn70TA>