

## NEW PERSPECTIVES IN CONFORMAL FIELD THEORY AND GRAVITY

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## A (twist) gap in our knowledge of 2d CFT

*Thursday 28 September 2023 13:50 (18 minutes)*

I will discuss the recent construction of a family of 2d CFTs which are unitary, compact and irrational, with only Virasoro symmetry. These are the first robustly studied examples of  $c > 1$  2d CFTs with a gap in the twist of Virasoro primaries, which is a standard axiom used in deriving many universal properties of 2d CFTs. Based on 2211.16503 and WIP with Connor Behan.

### Summary

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**Session Classification:** Parallel Session Thursday: Strings / Mathematical Physics I

**Track Classification:** Strings & Mathematical Physics