



Department of  
Theoretical Physics

# THE QUANTUM SPACETIME SEMINAR SERIES

## On global anomalies of heterotic string theories (Zoom Seminar)

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**Date:** June 7, 2021

**Time:** 11.00 am IST

Zoom link shall be shared separately



Spacetime theories obtained from perturbative string theory constructions are automatically free of perturbative anomalies, but it is not settled whether they are always free of global anomalies. In this talk I introduce a general framework to analyze possible global anomalies in heterotic string theories based on arbitrary internal worldsheet CFTs using the mathematical theory of topological modular forms, and discuss some concrete examples.