



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

**Defining entanglement without tensor factoring: a Euclidean
hourglass prescription**

(Zoom Seminar)

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Zoom link shall be shared separately



In this talk, I will explain our new method of calculating entanglement entropy: 'hourglass prescription' which we call.

In this method, we need to calculate the partition function on a Euclidean hourglass geometry and from that, evaluate the thermal entropy. Then we can evaluate the extractable amount of entanglement. I will explain how and why this works, through several examples, including 4-dimensional Maxwell theory.