

"How Hole-y is your Spacetime? aka How to Measure Topology in Quantum Gravity"

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In this talk, I will introduce the field of Quantum Gravity and my favorite candidate framework: String Theory. Furthermore, I will discuss the AdS/CFT (Gauge/Gravity) duality, which is a tool for answering questions in Quantum Gravity. Finally, we will explore how to measure the topology of a quantum spacetime and specifically address whether topology can be represented by a linear operator on your spacetime or not.

Thursday, Sept. 16, 2021 4:00 - 5:20PM

Talk will be via Zoom - contact physics@csus.edu for links or visit our Colloquium Spotlight at www.csus.edu/physics

Open & Free to all students, faculty and public