

## NEW PERSPECTIVES IN CONFORMAL FIELD THEORY AND GRAVITY

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## Black hole bulk-cone singularities

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In theories with gravity duals Lorentzian correlators exhibit surprising singularities. These serve as the field-theoretic representation of the emergent bulk causal structure.

In this talk we describe the singularity structure of the thermal two-point function which captures the causal structure of its dual black hole geometry. We explain how these singularities can be computed in the gravity approximation and discuss the effects of stringy corrections on the singular behavior.

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