Schwarzian sector of 2d Carrollian CFT

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We provide a new entry in the flat space holographic dictionary by relating the Schwarzian sector of 2d Carrollian CFTs to O-plane orbifolds of 3d flat space. In the same dimensions, we holographically prove that specific heat is negative for asymptotically flat spacetimes with horizons, exploiting vacuum dominance in the S-dual channel.