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**Effective boundary theory of the quantized thermal Hall effect**  
RYOTA NAKAI, Tohoku University, SHINSEI RYU, University of Illinois, KENTARO NOMURA, Tohoku University — We study the effective gravitational field theory that accounts for the quantized thermal Hall effect. The effective theory is microscopically derived from the one-dimensional massless boundary fermion, which is a manifestation of the two-dimensional bulk Dirac fermion with nontrivial energy band topology. The gravitational response of the boundary effective theory explains the bulk quantized thermal Hall effect through the Strěda formula.

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