

Abstract Submitted
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Entanglement, Dissipation and the Casimir effect ISRAEL KLICH,
University of Virginia — The role of dissipation in the Casimir force between metals
or dielectric has a been discussed in many works and is an important part of the
Casimir theory, where puzzles about the finite temperature corrections to the effect
are still being worked out. Here, we study the contribution of dissipation in creating
distance dependent entanglement between materials, and on the meaning of the
corresponding entropy.

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