

Abstract Submitted
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Vacuum energy density and pressure inside a soft wall AGAM

SHAYIT, TAMU — In the study of quantum vacuum energy and the Casimir effect, it is desirable to model the conductor by a potential of the form $V(z) = z$. Unlike the standard Dirichlet wall, this model does not violate the principle of virtual work under regularization, which corresponds to the Dirichlet wall, a closed —
form expression for the reduced Green function cannot be found. Here we develop piecewise approximations

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