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Qubit Casimir effect

A new interpretation of the Casimir effect is presented, in which the Casimir energy is expressed as the quantum "Von Neumann" entropy associated to a 2-qubit, mixed, non-separable, pseudo-density matrix of the quantum fluctuations. This new interpretation draws parallels to the concept of quantum inseparability of quantum information theory and suggest that the Casimir energy is a measure of the entanglement of quantum fluctuations.

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