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The $T\bar{T}$ deformation of quantum field theory

The $T\bar{T}$ deformation is a modification of local 2d QFT at short distances which is in some sense solvable. I argue that this is because it corresponds to coupling the theory to a random metric whose action is topological. Under the deformation, partition functions satisfy linear diffusion-type equations which describe a kind of Brownian motion in the moduli space of the world sheet manifold.