## Maximal solution of the Liouville equation in doubly connected domains

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In this paper we consider the Liouville equation ?u+?2eu=0 with Dirichlet boundary conditions in a two dimensional, doubly connected domain ?. We show that there exists a simple, closed curve ??? such that for a sequence ?n?0 and a sequence of solutions un it holds [Formula presented], where H is a harmonic function in ??? and [Formula presented], where c? is a constant depending on the conformal class of ? only.