

# Patterson-Sullivan Theory in CAT(0) Spaces

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**Abstract.** Patterson's construction of a certain probability measure, called the Patterson-Sullivan measure, on the limit set of a Fuchsian group has been generalized and used in a number of geometric settings. One application is to construct an invariant probability measure, called the Bowen-Margulis measure, on the geodesic flow. We will discuss the setting of CAT(0) spaces, and recover some information about the space itself.