

Asymptotic geometry in the product of rank one Hadamard spaces

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Let X be a product of Hadamard spaces and Γ a discrete group of isometries which contains an element whose projection to each factor translates a geodesic without flat half-plane. Important examples in this context are Kac-Moody groups over a finite fields acting on the associated twin building and discrete groups acting on a product of CAT(-1) spaces. In this talk I will describe the structure of the limit set of Γ , i.e. the set of accumulation points of a Γ -orbit in the geometric compactification of X . If time permits I will also explain results on measure theoretic properties of this geometric limit set.