

Projective structures on manifolds

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A strictly convex orbifold is the quotient of a strictly convex domain in projective space by a discrete group of projective transformations which preserve the domain. The Hilbert metric is a Finsler metric on the domain that is preserved by the group. In the case the domain is an ellipsoid this is the hyperbolic metric. This talk will survey our state of knowledge in the finite volume case.