Rafi@SC: Counting closed loops in a stratum of quadratic differentials

estimatos are insufficient.

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counting lattice points in a disk is the same as counting closed geodesics on the torus,

We try to do the same in Hyperbolic space.

Problem - The surface and of a ball is

comparable to its volume, So volume

Key Iden. The geodesic flow is uniformly hyperbolic.

Hence There's a measure usen TX s.f.

the guodusic Flow is mixing.