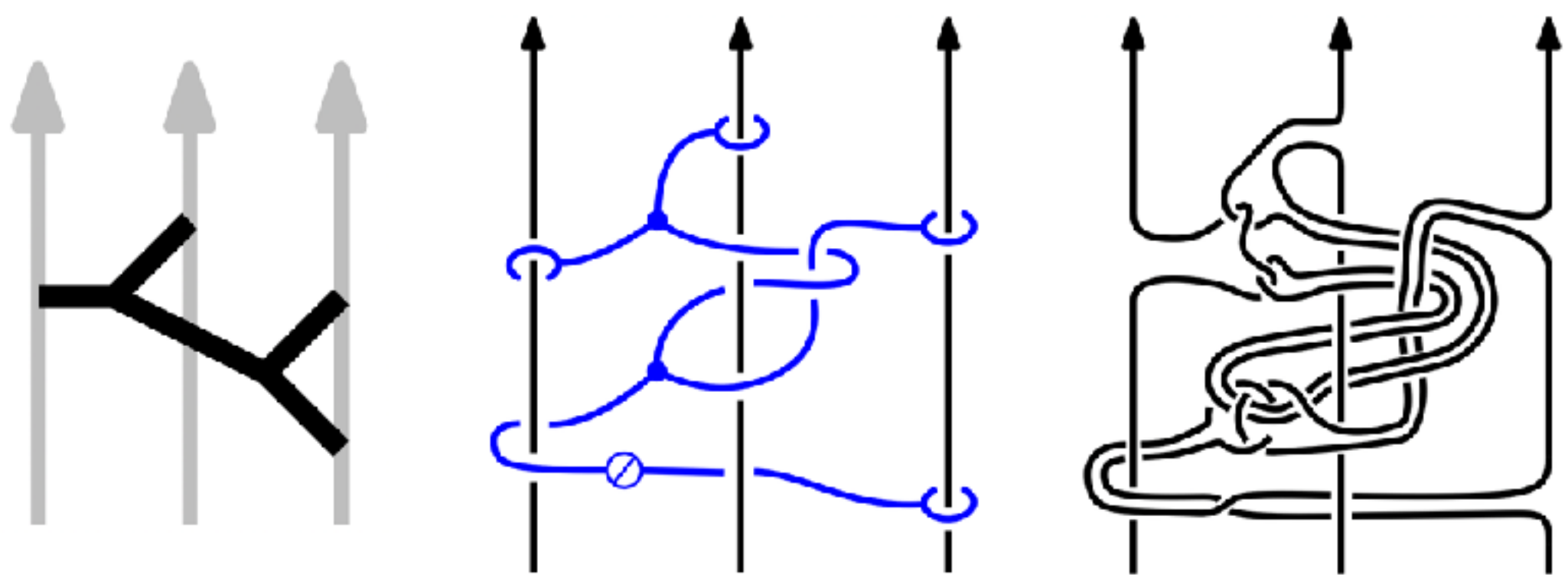
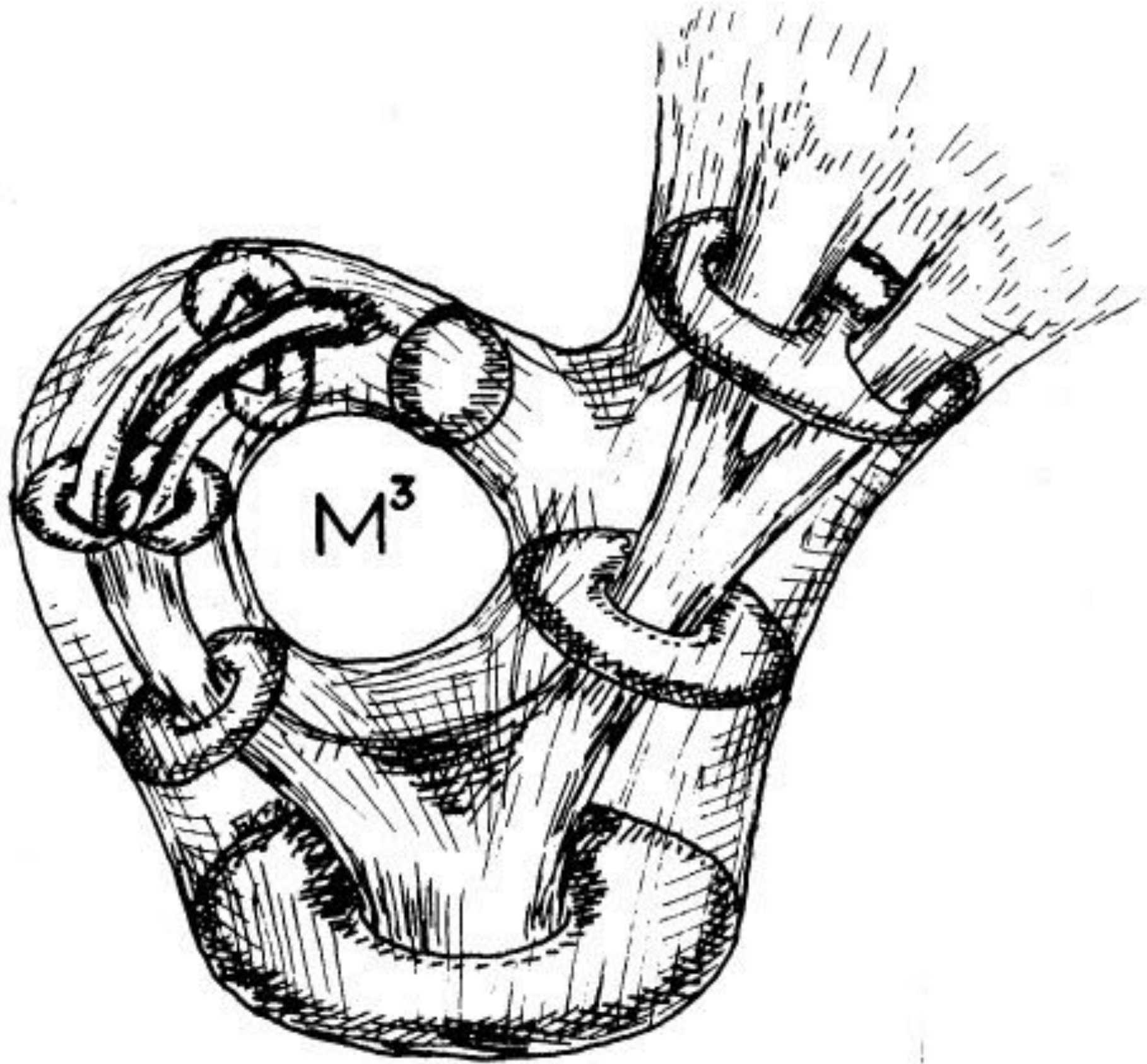


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Knot invariants and Feynman diagrams

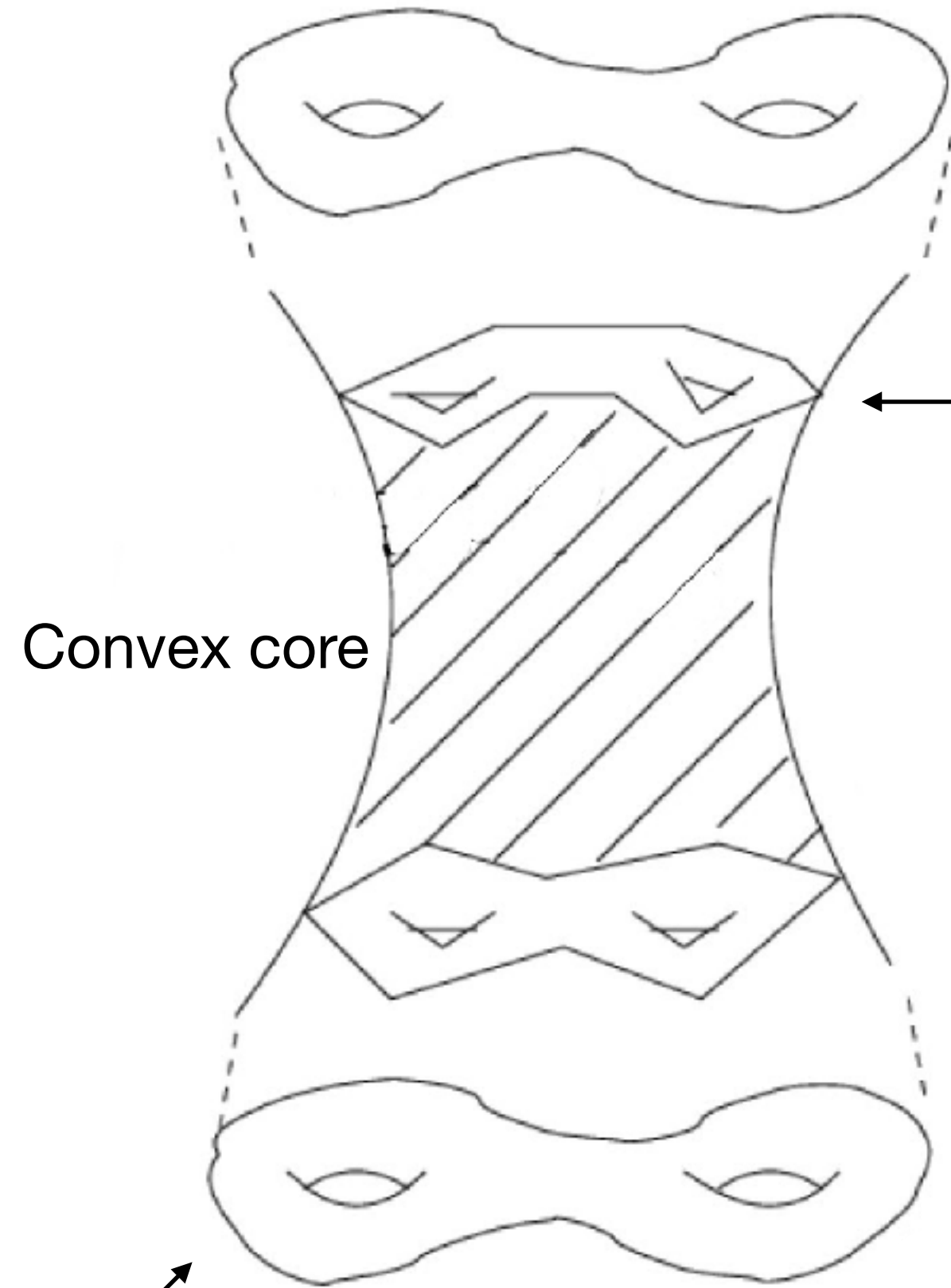


Geometry of hyperbolic three-manifolds

# Moduli space of hyperbolic three-manifolds

Closed  
3-manifolds

Moduli = ●

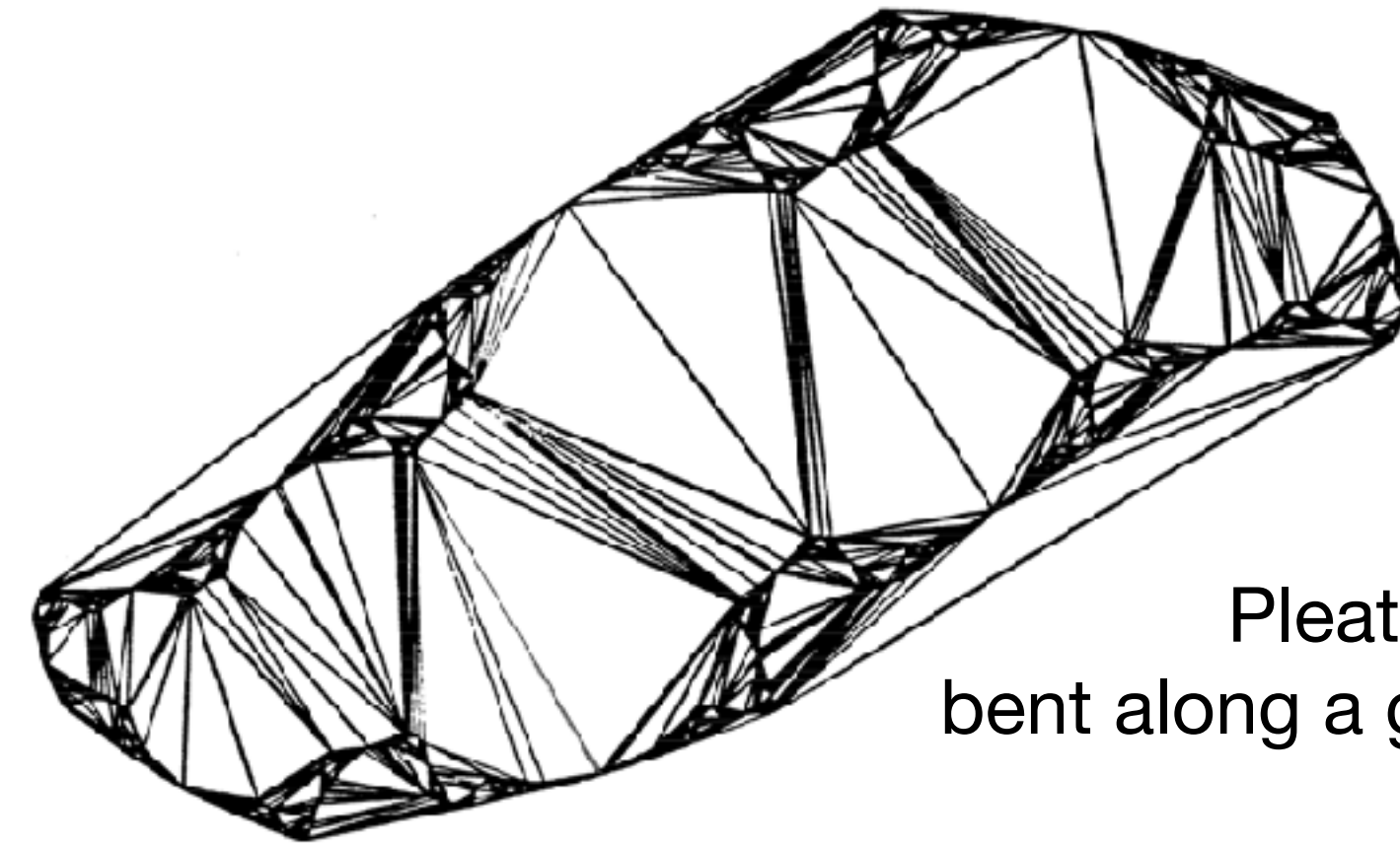


Convex core

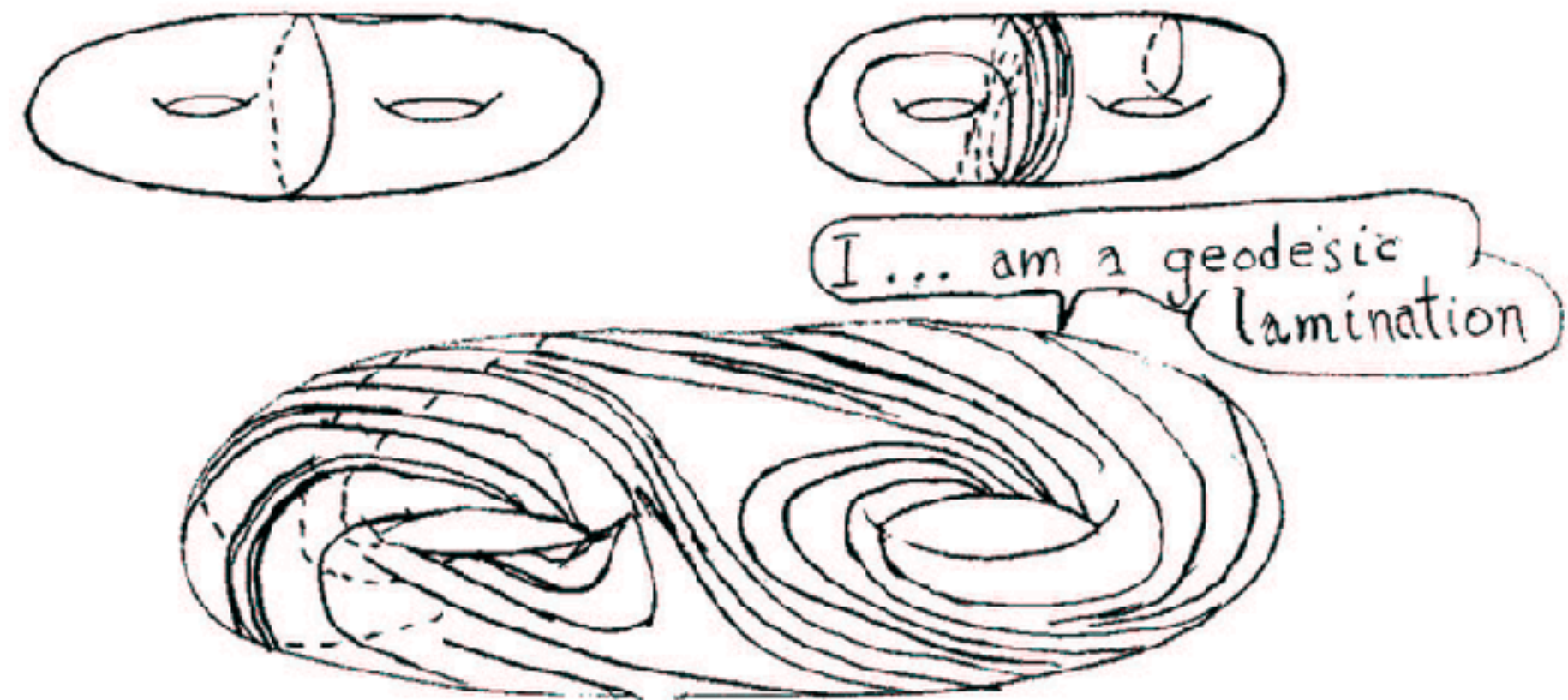
Convex co-compact

Conformal structure  
at infinity

Moduli =  $\text{Teich} \times \text{Teich}$



Pleated surface,  
bent along a geodesic lamination



Question: is the geometry also  
determined by the pleating of the  
boundary of the convex core?