Title: Entropies for Covers of Compact Manifolds
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Abstract: We consider a regular Riemannian cover $\M$ of a compact Riemannian manifold. The linear drift ℓ and the Kaimanovich entropy h are geometric invariants defined by asymptotic properties of the Brownian motion on $\M$. We show that $\ell^2 \leq h$. We also relate these invariants to the volume entropy.