Ricci Flow *and the* Poincaré Conjecture
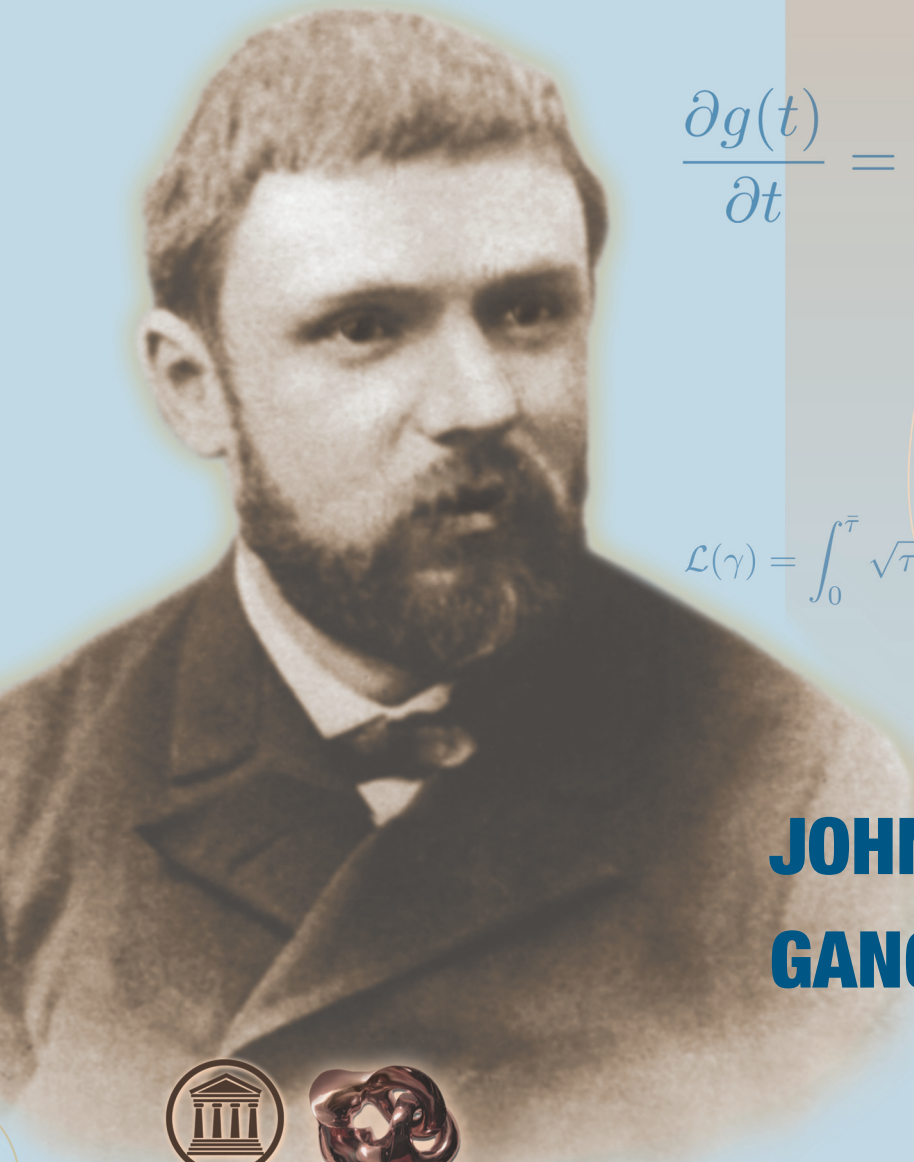
$$\frac{\partial g(t)}{\partial t} = -2Ric(g(t))$$

$$\mathcal{L}(\gamma) = \int_0^{\bar{\tau}} \sqrt{\tau}\left(R(\gamma(\tau)) + |\gamma'(\tau)|^2\right) d\tau$$

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$$\pi_1(M) = 0 \Rightarrow M \cong S^3$$