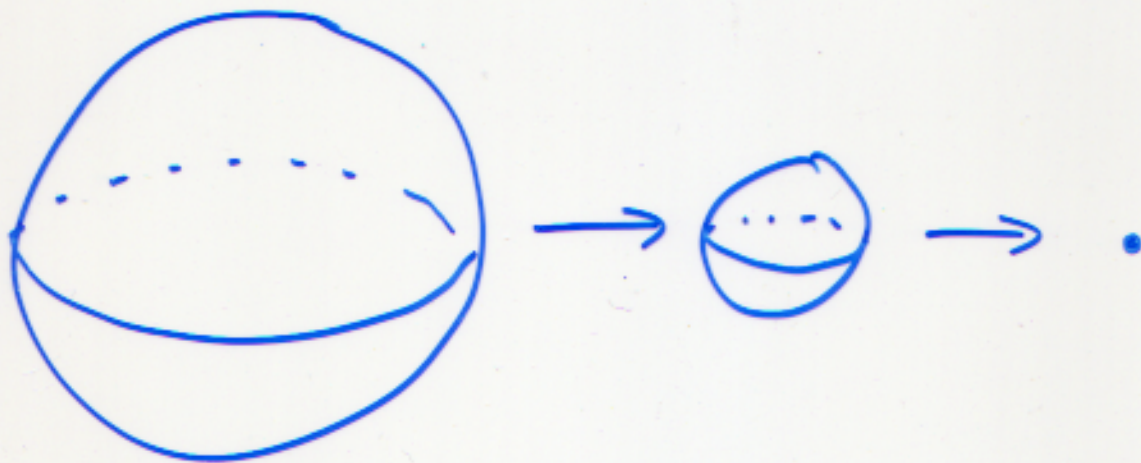


$$\frac{\partial g_{\mu\nu}}{\partial \lambda} = -2R_{\mu\nu}$$

F. Regions and directions with positive curvature tend to collapse.

This can lead to the formation of a curvature singularity in finite flow time.

Simplest example: round metric on  $S^0$



This behavior is generic (not due to symmetry).