

Título: "On a gap theorem for homogeneous spaces"

Resumen: We show that homogeneous spaces cannot be "too" Ricci flat unless they are already flat. This is equivalent to the fact, that the norm of the full curvature tensor of a homogeneous metric can be bounded from the above by the norm of the Ricci tensor multiplied by a constant depending only on dimension.

Applications to homogeneous Ricci flows will be given.