

Hans-Joachim Hein

Title: Claude, the Ricci tensor and me.

Abstract: In this talk I will survey some results, inspired by Claude's work, concerning the geometric meaning of the Ricci curvature of a Kähler manifold and, in particular, of a Kähler surface. This includes work on the Positive Mass Theorem as well as some aspects of negative Kähler-Einstein manifolds generalizing the Teichmüller theory of hyperbolic Riemann surfaces.