

Anna Maria Fino

Università degli Studi di Torino

Pluriclosed metrics and Kähler-like conditions on complex manifolds

Abstract

A Hermitian metric on a complex manifold is called strong Kähler with torsion (SKT) or pluriclosed if the torsion of the associated Bismut connection associated is closed. I will present some general results on pluriclosed metrics in relation to symplectic geometry, the pluriclosed flow and Kähler-like curvature conditions.