

COMPENSATED COMPACTNESS IN THE CONTACT COMPLEX OF HEISENBERG GROUPS

BRUNO FRANCHI
(Bologna)

In this talk we present a compensated compactness theorem for differential forms in the contact complex of Heisenberg group, obtained in collaboration with Annalisa Baldi and Maria Carla Tesi. The proof relies on a L^p -Hodge decomposition for intrinsic Heisenberg forms, and suitable L^p estimates for the Laplace operator associated with the contact complex.