

Takeo Ohsawa: Embedding complex-foliated manifolds

Abstract: An embedding theorem of Matsushima-Birkenhake-Lange will be generalized to compact complex manifolds with two holomorphic foliations which are complementary to each other. Then, an embedding theorem for manifolds with complex foliation will be given. The crucial point in the proof of the latter is the local solvability of the tangential $\bar{\partial}$ equation with partial Sobolev estimates in the presence of weight functions.