

# COMPLEX HAMILTON AFFINE STRUCTURES

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**Abstract:** *In this paper the affine complex manifold notion is defined and some local and global aspects on such a manifold: complex Liouville vector, semispray, complex Hamilton structures etc., are studied. These notions are introduced here by analogy with the respective notions from [3], but here specific particularities exist.*

**Key words:** *complex Hamilton structures, affine foliations, cohomology.*

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