

Holomorphic geometric structures

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This talk deals with rigid holomorphic geometric structures on compact complex manifolds. One can think at the following interesting examples: holomorphic affine connections or holomorphic Riemannian metrics.

We will discuss the classification of compact complex manifolds bearing a holomorphic Riemannian metric or, more general a holomorphic affine connection. We will also present a recent joint work with Benjamin McKay about the classification of locally homogeneous holomorphic geometric structures on complex tori.