

Kähler manifolds

1 Hermitian metric on complex manifolds

Definition 1. Let X be a complex manifold and $E \rightarrow X$ a holomorphic vector bundle. A *Hermitian metric* on E is a smoothly varying family of Hermitian inner products $\langle \cdot, \cdot \rangle_x$ on the fibers E_x for each $x \in X$, i.e., Yang: To be continued.

Appendix

DRAFT