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Complex vector bundles on a complex manifold

Hitchin-Kobayashi correspondence AKA Donaldson–Uhlenbeck–Yau theorem

(Hitchin-Kobayashi correspondence) Let E be a Hermitian vector bundle over a Kahler surface X . Then

$$\frac{\{\text{irr anti-self dual connections on } E\}}{SU(n)\text{-gauge}} \leftrightarrow \frac{\{\text{stable hol structures on } E\}}{SL_{\mathbb{C}}(n)\text{-gauge}}$$

Current note has 0 direct children and 0 total descendants.

- structures based on sets
 - manifolds
 - $\mathbb{C}$ -manifold
 - [Complex vector bundles on a complex manifold](#)

And it has 5 siblings.

- structures based on sets
 - manifolds
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 - [Complex vector bundles on a complex manifold](#)
 - [Calabi-Yau manifolds](#)
 - [Meromorphic and holomorphic correspondence between complex manifolds](#)
 - [Holomorphic tangent space of a complex manifold](#)
 - [Tangent bundles on a complex manifold](#)